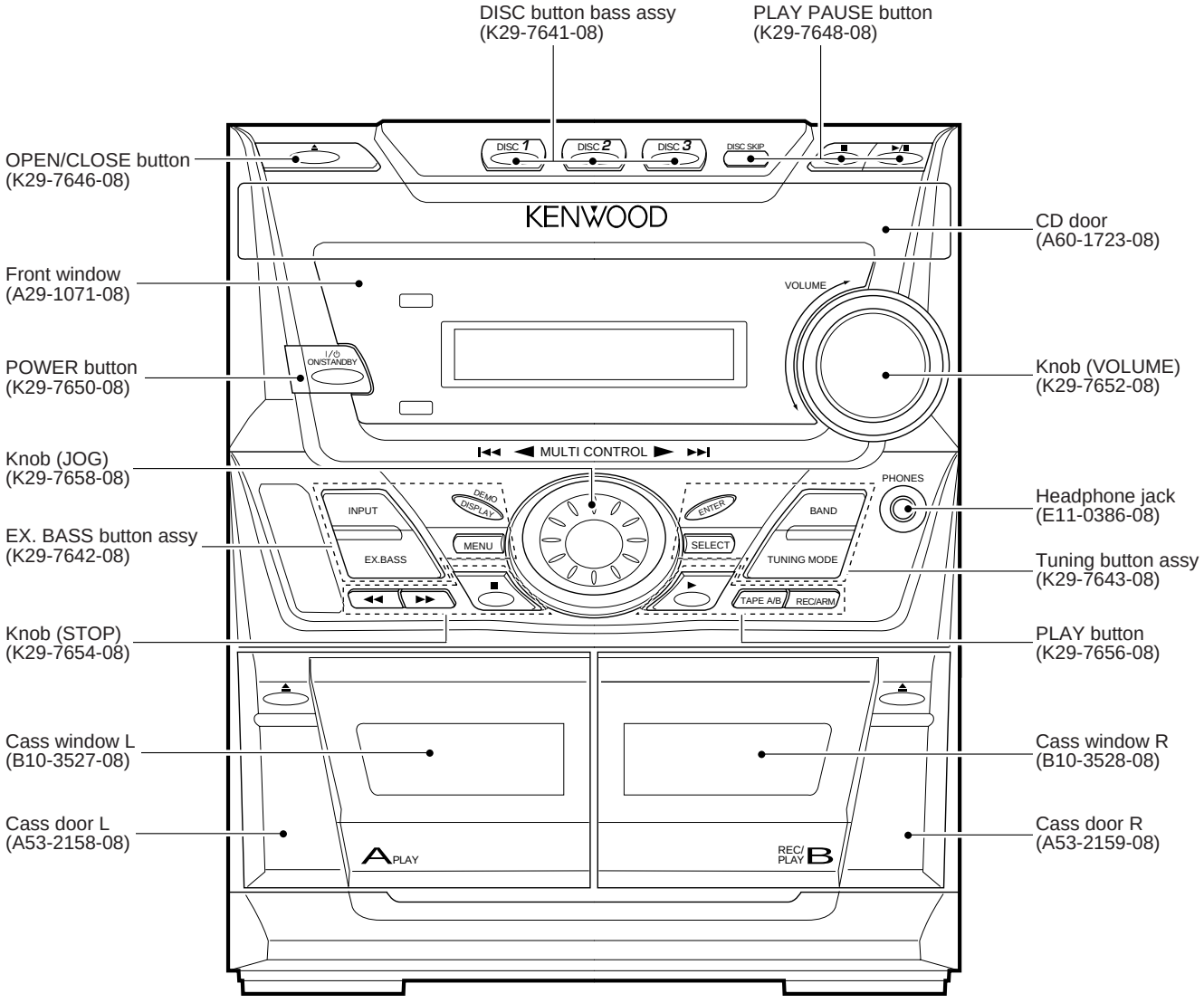
MINI HiFi COMPONENT SYSTEM

RXD-302/302E/352/352E/372S
LS-N302/N352
SERVICE MANUAL

(XD-302/302E/352/352E/372S)**

KENWOOD

© 1999-5/B51-5530-00 (K/K) 2299



**Refer to page 2 if you want to know system configuration.

Illust. is RXD-352M.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No. 21 DFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

Refer to service manual RXD-251/301/301E/301W/351/351E/351W/371S (B51-5454-00), if you require CD MECHANISM OPERATION DESCRIPTION in detail.

RXD-302/302E/352/352E/372S

CONTENTS / ACCESSORIES / CAUTIONS

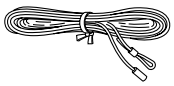
Contents

CONTENTS / ACCESSORIES / CAUTIONS 2
EXTERNAL VIEW 3
BLOCK DIAGRAM 4
CIRCUIT DESCRIPTION 5
ADJUSTMENT 7
PC BOARD 11
SCHEMATIC DIAGRAM 15
EXPLODED VIEW 29
PARTS LIST.....32
SPECIFICATIONS .....Back cover

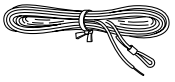
Accessories

FM indoor antenna (1)

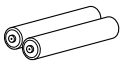
Europe and U.K.
(T90-0836-05): TEE2E3E4



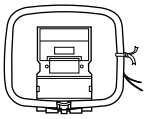
Other countries
(T90-0847-08): MXYM2



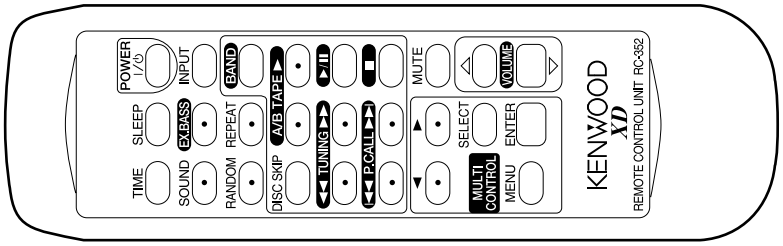
Batteries (R6/AA) (2)



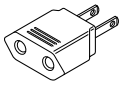
AM loop antenna (1)
(T90-0815-08)



Remote control unit (1)
(A70-1320-08) : RC-352



AC plug adaptor (1)
(E03-0115-05)



Use to adapt the plug on the power cord to the shape of the wall outlet.
(Accessory only for regions where use is necessary.)

System configuration

SYSTEM	MAIN UNIT	DESTINATION	SPEAKER
XD-302	RXD-302	E3	LS-N302
XD-302E	RXD-302E	E4	LS-N302
XD-352	RXD-352	TEMXY	LS-N352
XD-352E	RXD-352E	E2	LS-N352
XD-372S	RXD-372S	M2	LS-N352

Cautions

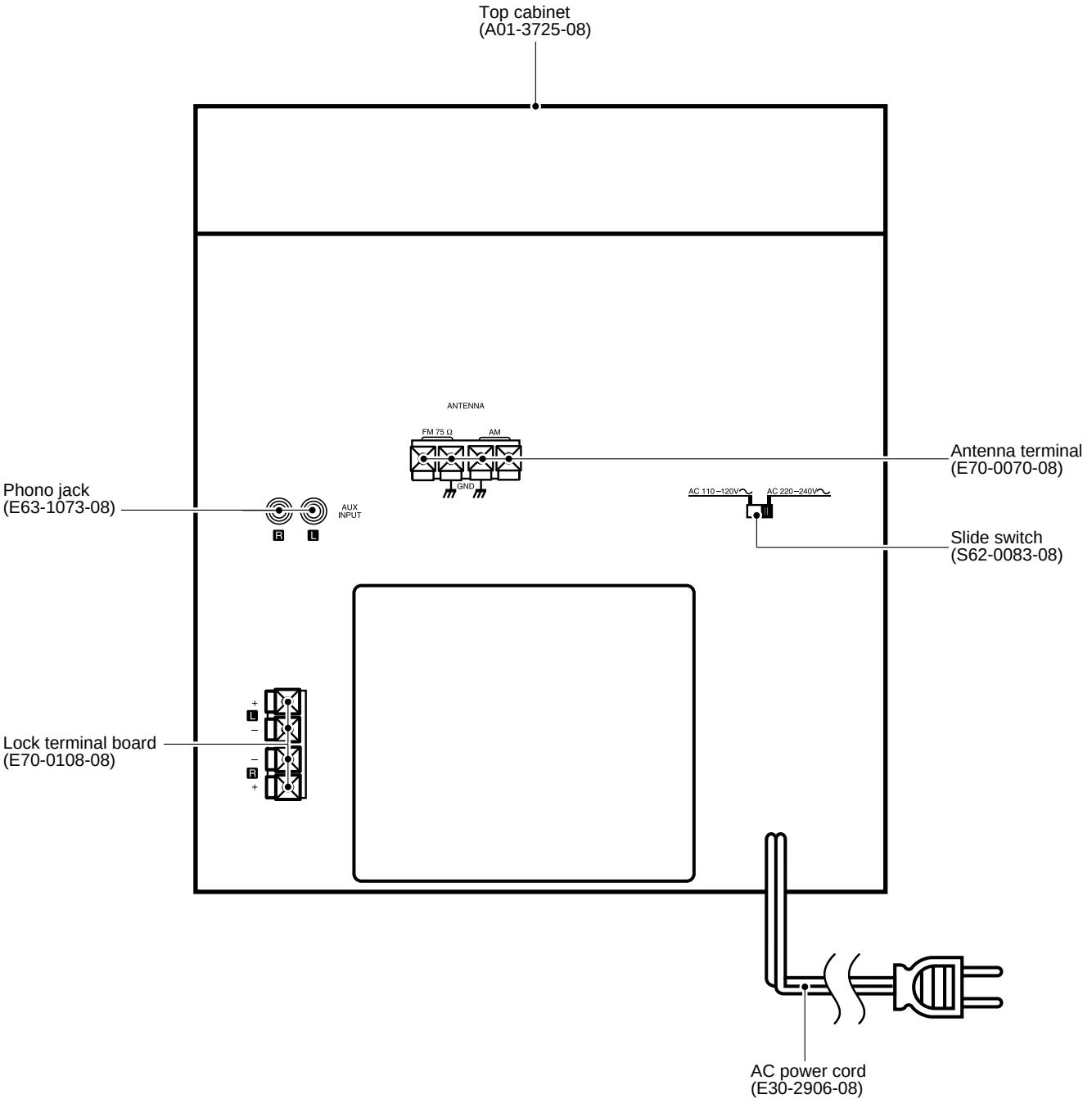
Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Press the "POWER" key while holding the Stop (■) key of the CD section pressed, to switch off the power, and then switch the power on again after a few seconds.

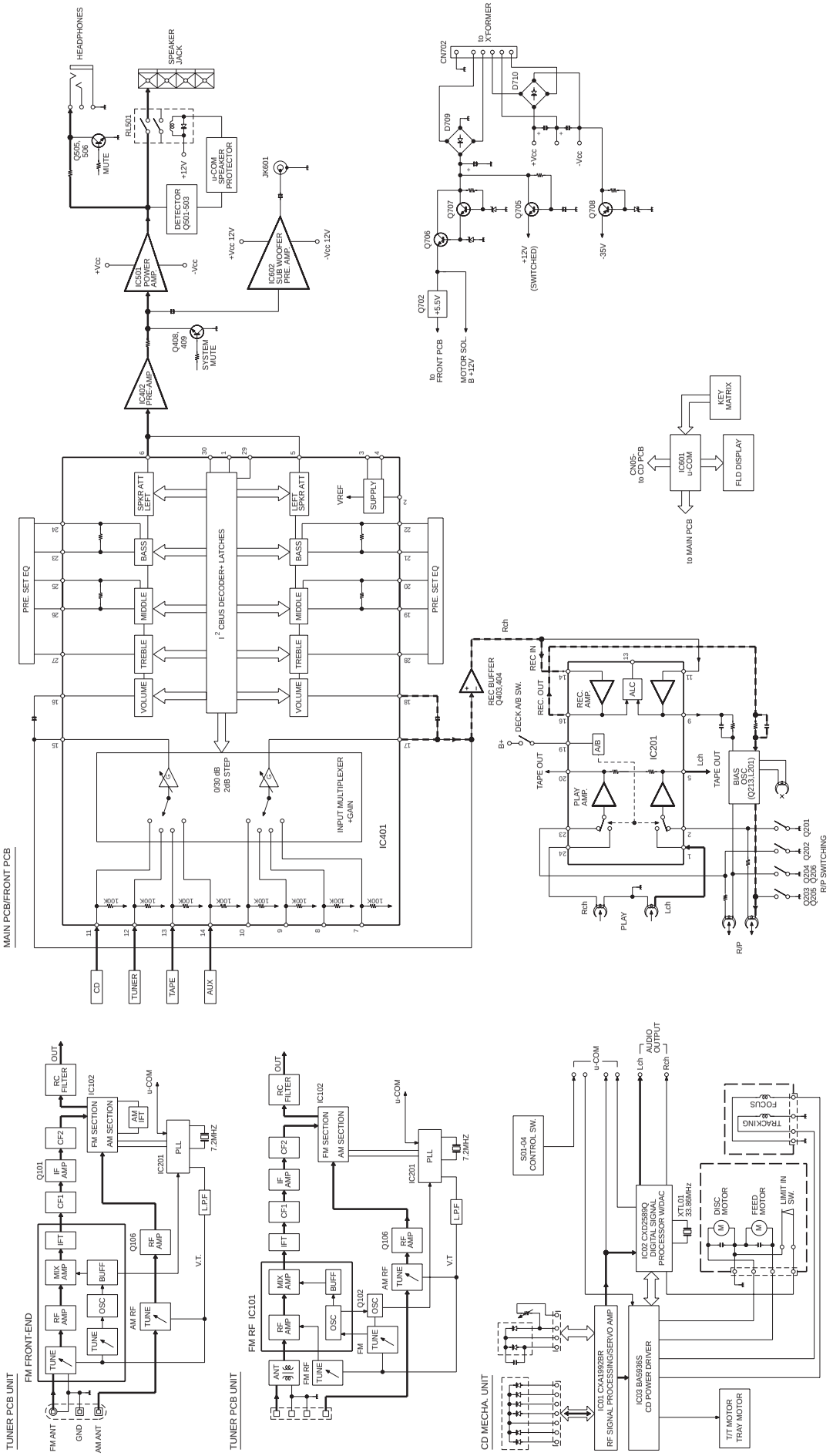
- Please note that resetting the microcomputer clears the contents stored in and returns and to condition when it left the factory.

EXTERNAL VIEW



Illust. is RXD-352M.

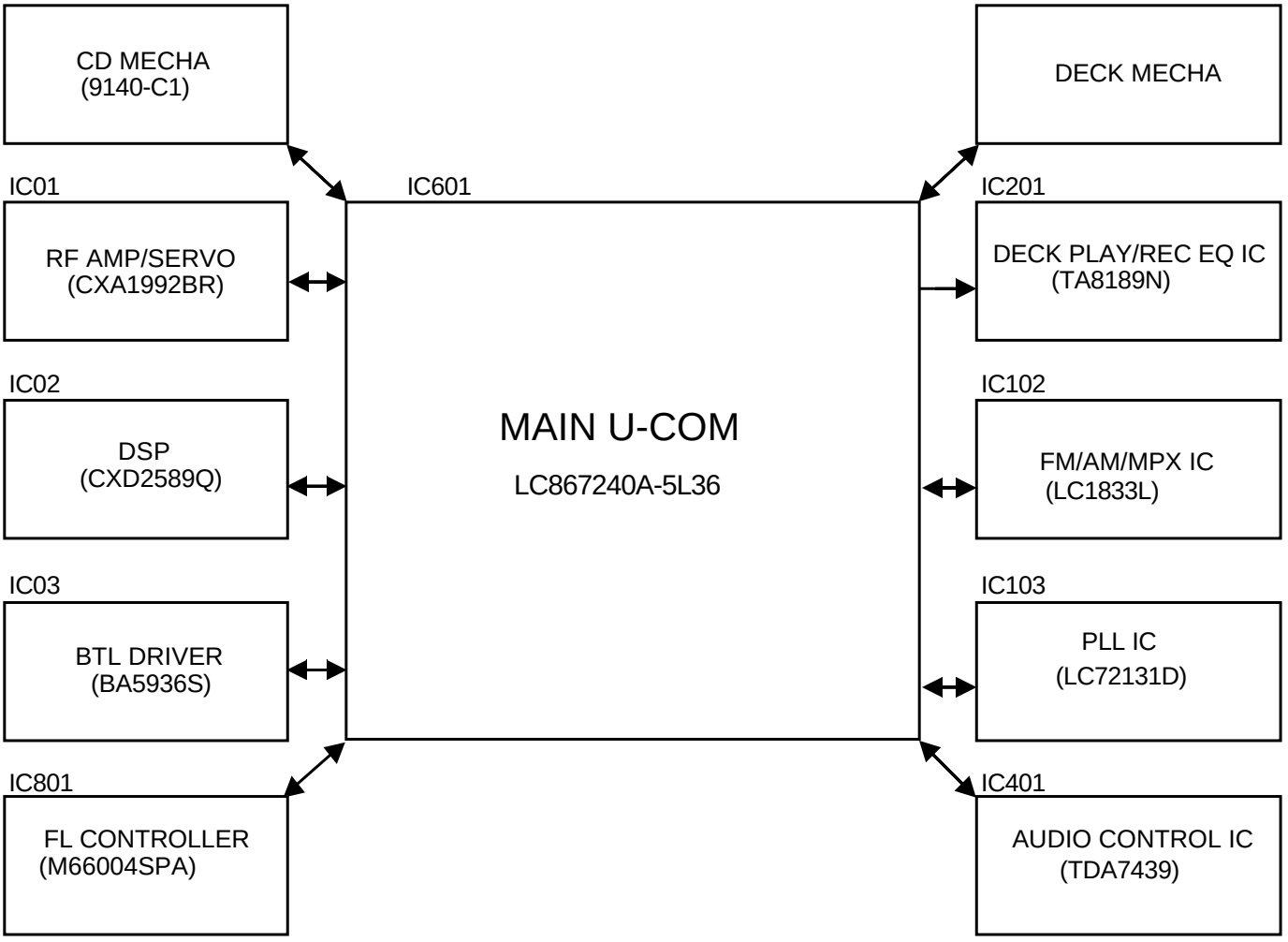
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Main microprocessor LC867240A-5L36(IC601)

1-1 Microprocessor periphery block diagram



1-2 VOLTAGE KEY/BAND MATRIX

INPUT VOLTAGE	KEY**1**	KEY 2	KEY**3**	**DECK MODE SW**	**BAND SW**
(V)	**Pin19**	**Pin20**	**Pin21**	**Pin25**	**Pin26**
0	POWER	BAND	PLAY/PAUSE	1WAY/1WAY	M,M2,I,Y,X
0.29	INPUT	TUNING MODE	CD STOP	1WAY//REV.	K,P
0.61	EX. BASS	REC/ARM	DISC SKIP	REV./REV.	H
0.99	DISPLAY/DEMO	TAPE A/B	DISC 3	–	E2
1.38	MENU	TAPE PLAY	DISC 2	–	T
1.82	SELECT	TAPE STOP	DISC 1	–	Q
2.3	ENTER	FF	OPEN/CLOSE	–	–
2.77	–	REW	–	–	U1
< 2.77	–	–	–	–	U2

1-3 Pin description

Pin No.	Name	I/O	Description	Active
1	PLL-CE	O	CE OUTPUT (LC72131)	H: DATA L: ADDRESS
2	XRST	I	RESET (CXD2589Q)	L: ON
3	PLL-DO	O	DATA OUTPUT (LC72131)	
4	PLL-DI	I	PLL DATA INPUT (LC72131)	
5	PLL-CLK	O	CLK OUTPUT (LC72131)	
6	SO	O	DATA OUTPUT (CXD2589Q)	
7	SQSO	I	SUB CODE INPUT(CXD2589Q)	
8	SQCK	O	SUB CODE CLOCK OUTPUT (CXD2589Q)	
9	XLAT	O	LATCH OUTPUT (CXD2589Q)	
10	–	–	NOT USED	
11	SENS1	I	SENS1(CXD2589Q)	
12	RESET	I	uCOM RESET	H: NORMAL L: RESET
13	POWER DOWN	I	POWER DOWN INPUT	L: POWER DOWN
14	SENS2	I	SENS2(CXD2589Q)	
15	VSS	–	GND	
16,17	X1,2	–	Xtal 6.0MHz	
18	VDD1	–	+5V	
19-21	KEY1-3	I	KEY 1-3 INPUT	
22	VSS	–	GND	
23	L-METER L	I	LEVEL METER L,R	
24	–	I	NOT USED	
25	MODE-SW	I	DECK MODE SWITCH	
26	BAND	I	BAND SWITCH	
27	SCOR	I	SUB-CODE SYNCH DETECT (CXD2589Q)	
28	PROTEC	I	PROTECTION IN	H: PROTECT
29	REMOTE	I	REMOTE SIGNAL INPUT	L: ON
30,31	ENC A,B	I	VOLUME ENCODER INPUT A,B	
32	PIC-UP	I	PICK UP UP SWITCH	
33	PIC-DOWN	I	PICK UP DOWN SWITCH	
34	DISC-COUNT	I	DISC COUNTER SWITCH	
35	T.T-SW	I	TURNTABLE SWITCH	
36	TRAY-OPEN	I	TRAY OPEN SWITCH	
37	TRAY-CLOSE	I	TRAY CLOSE SWITCH	
38	MOTOR+	O	T.T./U.D MOTOR +	
39	MOTOR-	O	T.T./U.D MOTOR -	
40	TRAY-M +	O	TRAY MOTOR +	
41	TRAY-M -	O	TRAY MOTOR -	
42	T,T-MSP	O	TURNTABLE MOTOR SPEED	
43	CD-VDD	O	CD VDD CONTOROL(BA5936S MUTE)	H: CD
44-51	–	O	NOT USED	
52	LED-STBY	O	LED STANDBY ON/OFF	L: ON
53	LED-TIMER	O	LED TIMER ON/OFF	L: ON
54,55	DECK A,B	I	DECK MECHA MODE SWITCH A,B	H: STOP L: PLAY
56	VDD	–	+5V	
57	VSS	–	GND	
58,59	HALF A,B	I	DECK MECHA HALF SWITCH A,B	L: EXSIT
60	REC-FEW-SW	I	REC FEW SWITCH	L: HOOK EXSIT

Pin No.	Name	I/O	Description	Active
61	REC-REV-SW	I	REC REV SWITCH	L: HOOK EXSIT
62	A-PH	I	A DECK REEL SENSOR	
63	B-PH	I	B DECK REEL SENSOR	
64	DECK VCC	O	DECK MECHA VCC	H: PLAY L: STOP
65	A SOL	O	A DECK SOLENOID CONTROL	H: ON L: OFF
66	B SOL.	O	B DECK SOLENOID CONTROL	H: ON L: OFF
67	DUBBING	O	DUBBING CONTROL	H: DUBBING L: NORMAL
68	REC	O	REC CONTROL	H: REC L: OTHER
69	REC-MUTE	O	REC MUTE	H: OTHER L: REC
70	BIAS	O	BIAS ON/OFF CHANGEOVER CONTROL	H: REC L: OTHER
71	A/B	O	A/B DECK MECHA CHANGEOVER	H: A DECK L: B DECK
72	BEET CANCEL	O	REC BEET CANCEL	H: ON L: OFF
73	TAPE-MUTE	O	DECK PLAY OUTPUT MUTE	H: ON L: OFF
74-78	–	–	NOT USED	
79	SP-RLY	O	SPEAKER RELAY ON/OFF	H: ON L: OFF
80	–	–	NOT USED	
81	MODE-SW4	I	MODE SWITCH 4 SHORT WAVE	H: EXSIT L: NONE
82	VSS	–	GND	
83,84	ENC A,B	I	JOG ENCODER(MULTI CONTROL) A,B	L: ON
85	FOK	I	FOCUS OK OUTPUT (CXD2589Q)	H: ON
86	STEREO	I	FM STEREO IN	H: MONO L: STEREO
87	SDA	I/O	AUDIO CONTROL IC (TDA7439) DATA	
88	SCL	O	AUDIO CONTROL IC (TDA7439)CLOCK	
89	VSS2	–	GND	
90	VDD2	–	+5V	
91	–	–	NOT USED	
92	MUTE	O	SYSTEM MUTE	H: OFF L: ON
93	TUNER-MUTE	O	TUNER MUTE	H: ON L: OFF
94	AUDIO-MUTE	O	LINE (AUDIO) MUTE	H: ON L: OFF
95	EX. BASS	O	EX BASS CONTROL	H: ON L: OFF
96	–	–	NOT USED	
97	FL-CS	O	FL CONTROLLER (M66004DP) CS	L: ON
98	FL-RESET	I	FL CONTROLLER (M66004DP) RESET	L: ON
99	CLOCK	O	CLOCK OUTPUT (CXD2589Q)	
100	2589Q MUT	I	MUTING SIGNAL INPUT (CXD2589Q)	H: ON

ADJUSTMENT

FM SECTION (Except M2 type)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	AUTO STOP LEVEL	(A) 98.0 MHz MONO 1kHz, ±40kHz dev 30dBu (ANT input)		AUTO 98.0MHz	SFR101	Adjust SFR101 and stop at the point where FLD801(▽) goes ON.	

FM SECTION (M2 type)

* Europ version no Adjustment

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	IF	(A) 98 MHz,1 kHz MOD ±75 KHz (DEV) 60 dBu (ANT INPUT)	(B)	98MHz	T101	Maximum output (Minimum distortion	
2.	LOW END TRACKING	(A) 90MHz, 1 kHz MOD ±75 kHz (DEV) 35 dBu (ANT INPUT)	(B)	90MHz	L102	Maximum output	
3.	HI END TRACKING	(A) 106MHz,1 kHz MOD ±75 kHz (DEV) 35 dBu (ANT INPUT)	(B)	106MHz	TC101	Maximum output	
4.	VT	–	Connect the DC voltage meter to TP2.	87.5 MHz	L103	VT=1.0V±0.05V	
				108 MHz	–	Check the VT=7.0V±1.0V	

MW SECTION (Except M2 type)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	LOW END TRACKING	(A) 600 kHz or 603 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	600 kHz or 603 kHz	T103	Maximum output	
2.	HIGH END TRACKING	(A) 1400 kHz or 1404 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	1400 kHz or 1404 kHz	TC101	Maximum output	
3.	VT	–	Connect the DC voltage meter to TP1.	531 kHz	L104	VT=1.2V±0.05V	
				1602 kHz	–	Check the VT=7.3V±1.0V	

MW SECTION (M2 type)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	LOW END TRACKING	(A) 600 kHz or 603 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	600 kHz or 603 kHz	T104	Maximum output	
2.	HIGH END TRACKING	(A) 1400 kHz or 1404 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	1400 kHz or 1404 kHz	TC102	Maximum output	
3.	VT	–	Connect the DC voltage meter to TP2.	531 kHz	L105	VT=1.2V±0.05V	
				1602 kHz	–	Check the VT=7.3V±1.0V	

ADJUSTMENT

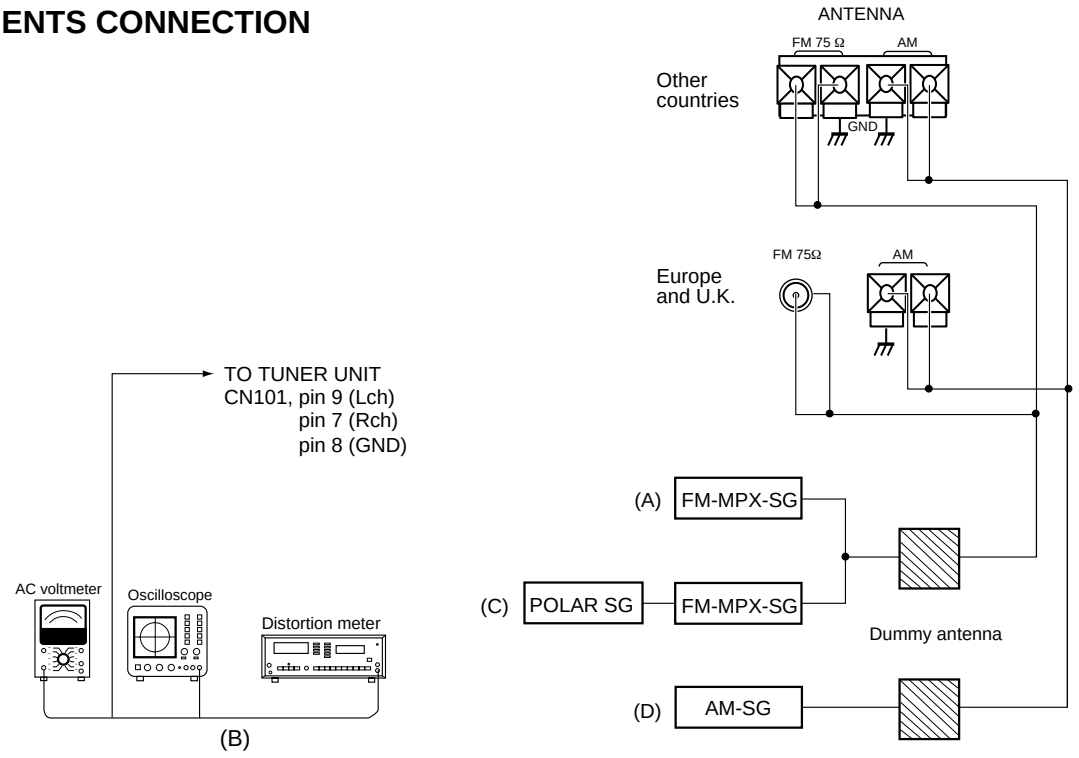
SW SECTION (M2 type)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	LOW END TRACKING	5.95 MHz 1 kHz, 30% MOD 30 dBu (ANT INPUT) (D)	(B)	5.95 MHz	L201	Maximum output	
2.	HIGH END TRACKING	17.9 MHz 1 kHz, 30% MOD 30 dBu (ANT INPUT) (D)	(B)	17.9 MHz	TC201	Maximum output	
3.	VT	–	Connect the DC voltage meter to TP2.	5.95 MHz	L202	VT=1.0V±0.05V	
				17.9 MHz	–	Check the VT=8.4V±1V	

LW SECTION (T type)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	LOW END TRACKING	162 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT) (D)	(B)	162 kHz	T105	Maximum output	
2.	HIGH END TRACKING	270 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT) (D)	(B)	270 kHz	TC103	Maximum output	
3.	VT	–	Connect the DC voltage meter to TP2.	153 kHz	T106	VT=1.0V±0.05V	
				279 kHz	–	Check the VT=5.0V±1.0V	

INSTRUMENTS CONNECTION

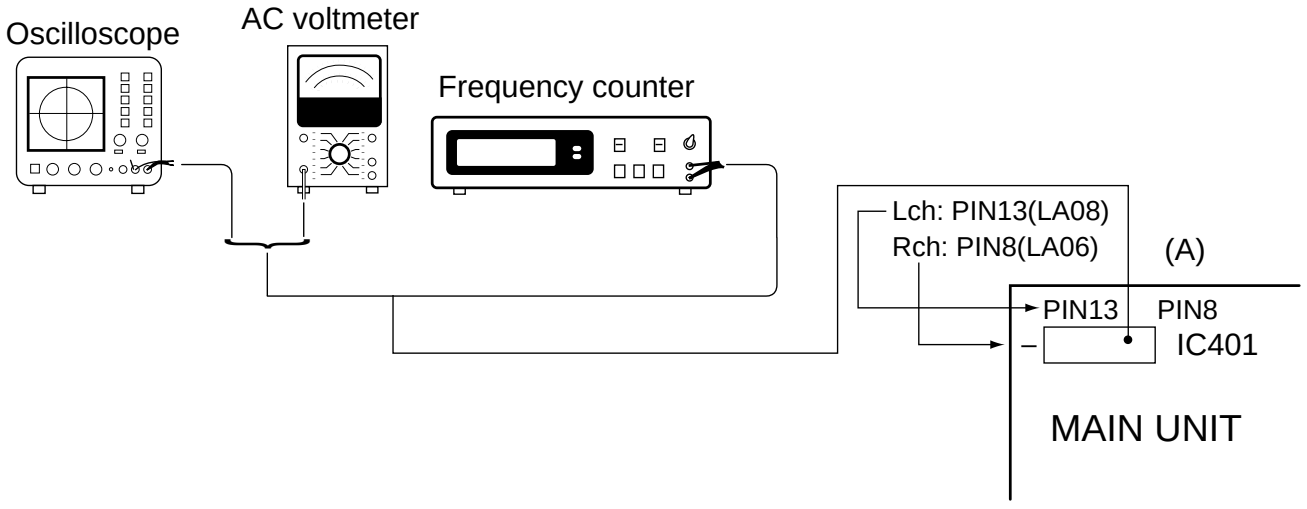


ADJUSTMENT

CASSETTE DECK SECTION

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINT	ALIGN FOR	FIG.
Unless otherwise specified : each ; switch should be set as follows : **BEAT SW : OFF**							**0dBs = 0.775V**
I. Cassette mechanism section (REC/PB head adjustment)							
[1]	Demagnetization and cleaning	–	–	Power OFF, demagnetization, cleaning play	REC/PB head, erase head. capstan, pinch roller	Demagnetize the REC/PB head by head eraser. Clean the REC/PB head, erase head capstan and pinch roller with a cotton swab immersed in alcohol.	
[2]	REC/PB head azimuth	MTT-114, TCC-153 SCC-1727 10 kHz, -10dB	(A)	PLAY	Azimuth adjustment screw	In a setting wher the output is maximized, adjust the azimuth adjustment screw so that the Lissajous figure appearing on the oscilloscope screen comes near to a line slanted45° Note : The head should be installed in such a manner that it approaches the tape face.	
II. PC board adjustment							
< 1 >	Tape speed	MTT-111 TCC-100 SCC-1727 3 kHz, -4 dB	(A)	PLAY	SFR201	Adjust so that Frequency is 3 kHz at the center of the tape.	
< 2 >	Playback level	TCC-120 315 Hz 0dB	(A)	PLAY		Approx. -5dBm ※ reference level	
< 3 >	Recording level	Put standard test tape (TCC-120) into B deck. Put standard blank tape into A deck.	(A)	Dubbing and playback.		Approx. -5dBm ※ reference level	

INSTRUMENTS CONNECTION



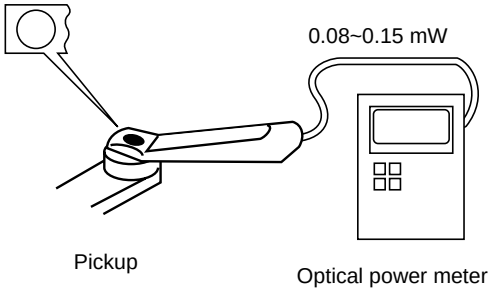
ADJUSTMENT

CD SECTION

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	PLAYER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	LASER POWER	–	Apply the sensor section of optical power meter on the pickup lens.	Press the PLAY/PAUSE key.	–	On the power from 0.08 to 0.15 mW, when the diffraction grating is correctly aligned with the RF level of 0.6 Vp-p or more.	(a)

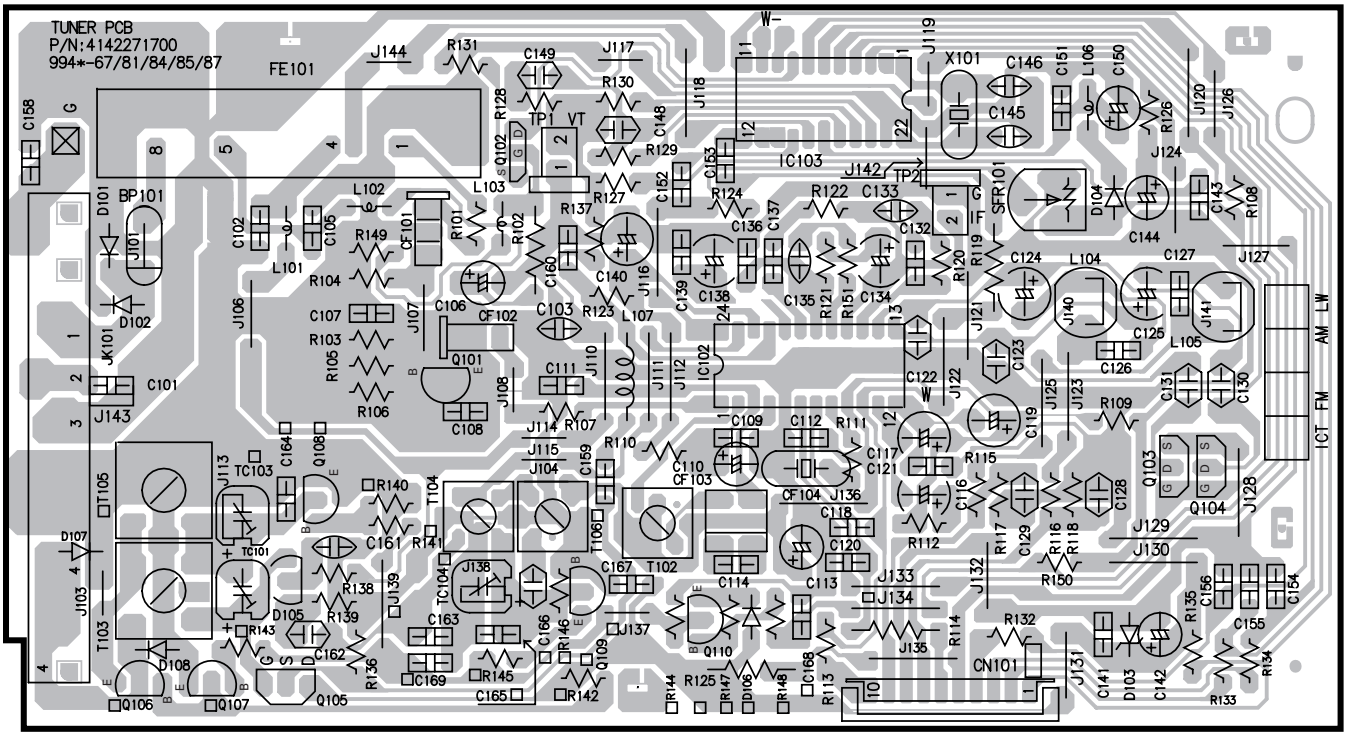
Note:
Type 4 disc : SONY YEDS-18 Test Disc or equivalent.(KTD-0✻)

(a) Laser power

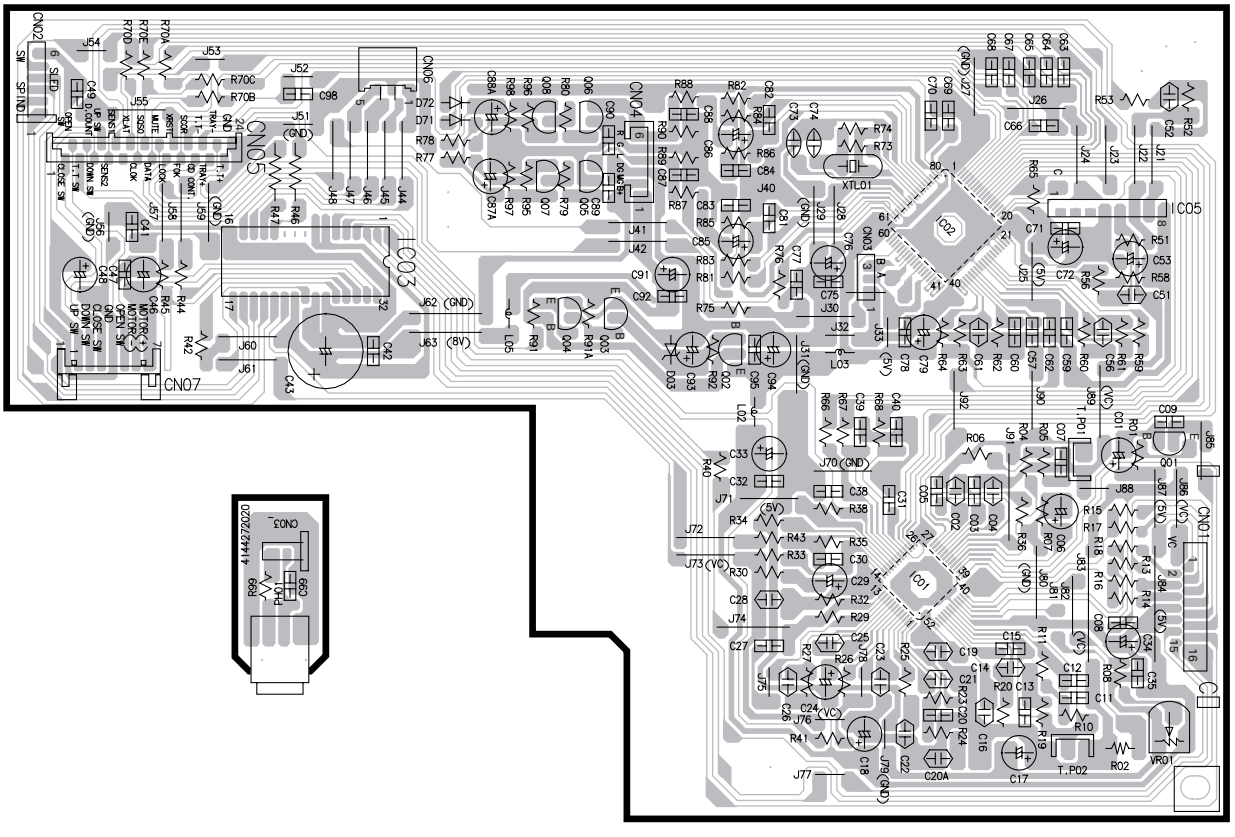


PC BOARD(Component side view)

TUNER UNIT

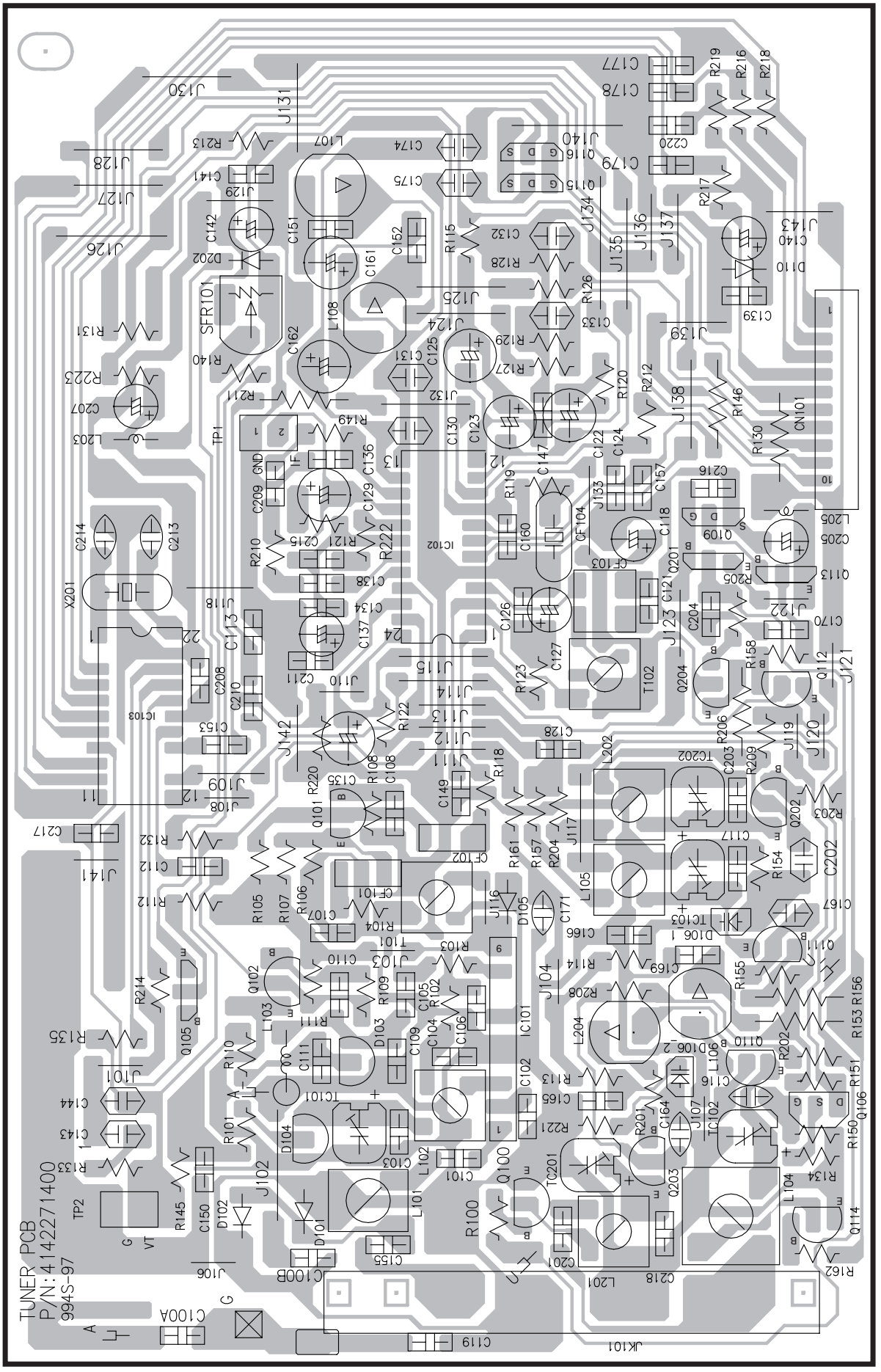


CD UNIT



Refer to the schematic diagram for the value of resistors and capacitors.

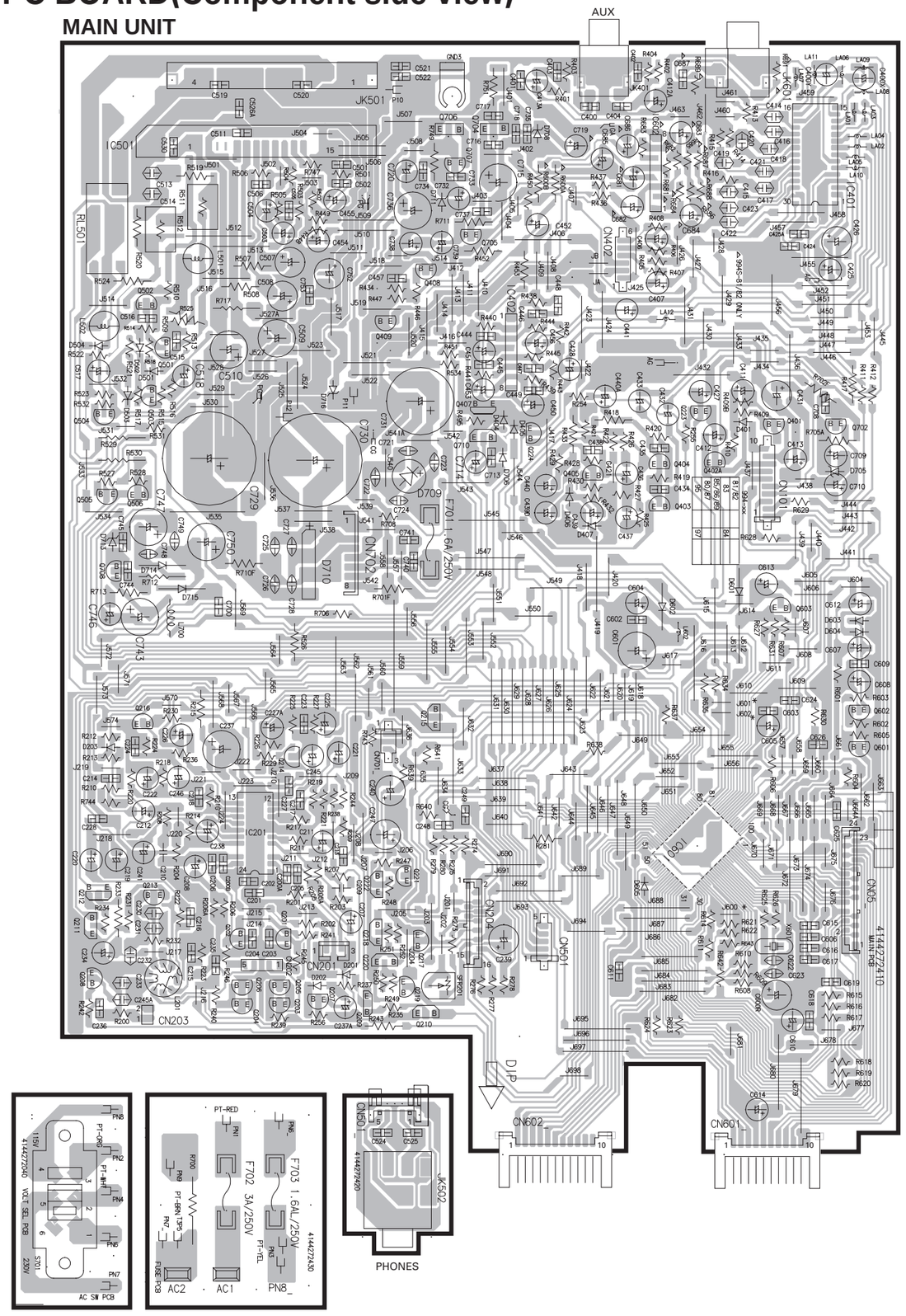
PC BOARD(Component side view) TUNER UNIT



Refer to the schematic diagram for the value of resistors and capacitors.

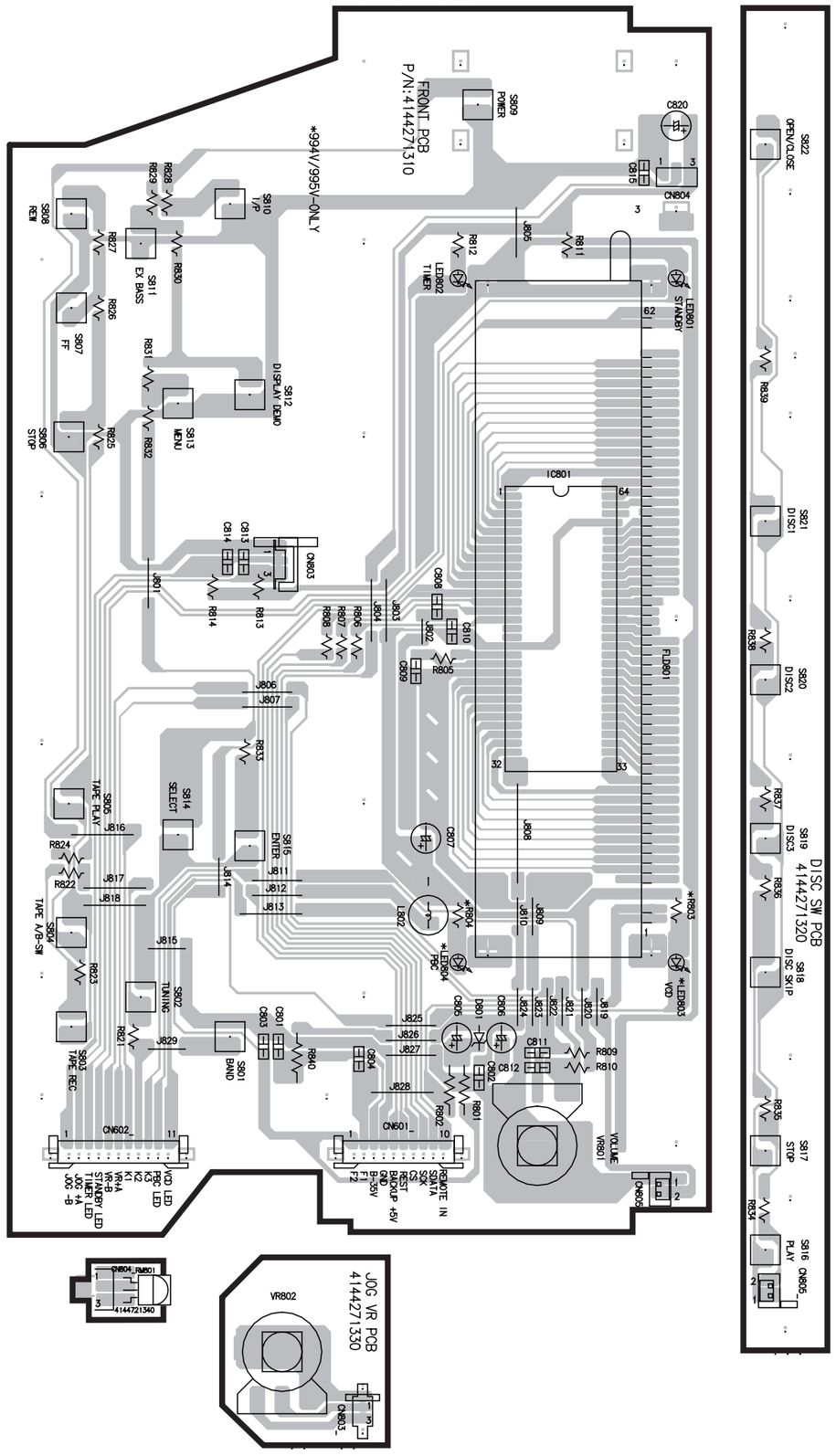
PC BOARD(Component side view)

MAIN UNIT

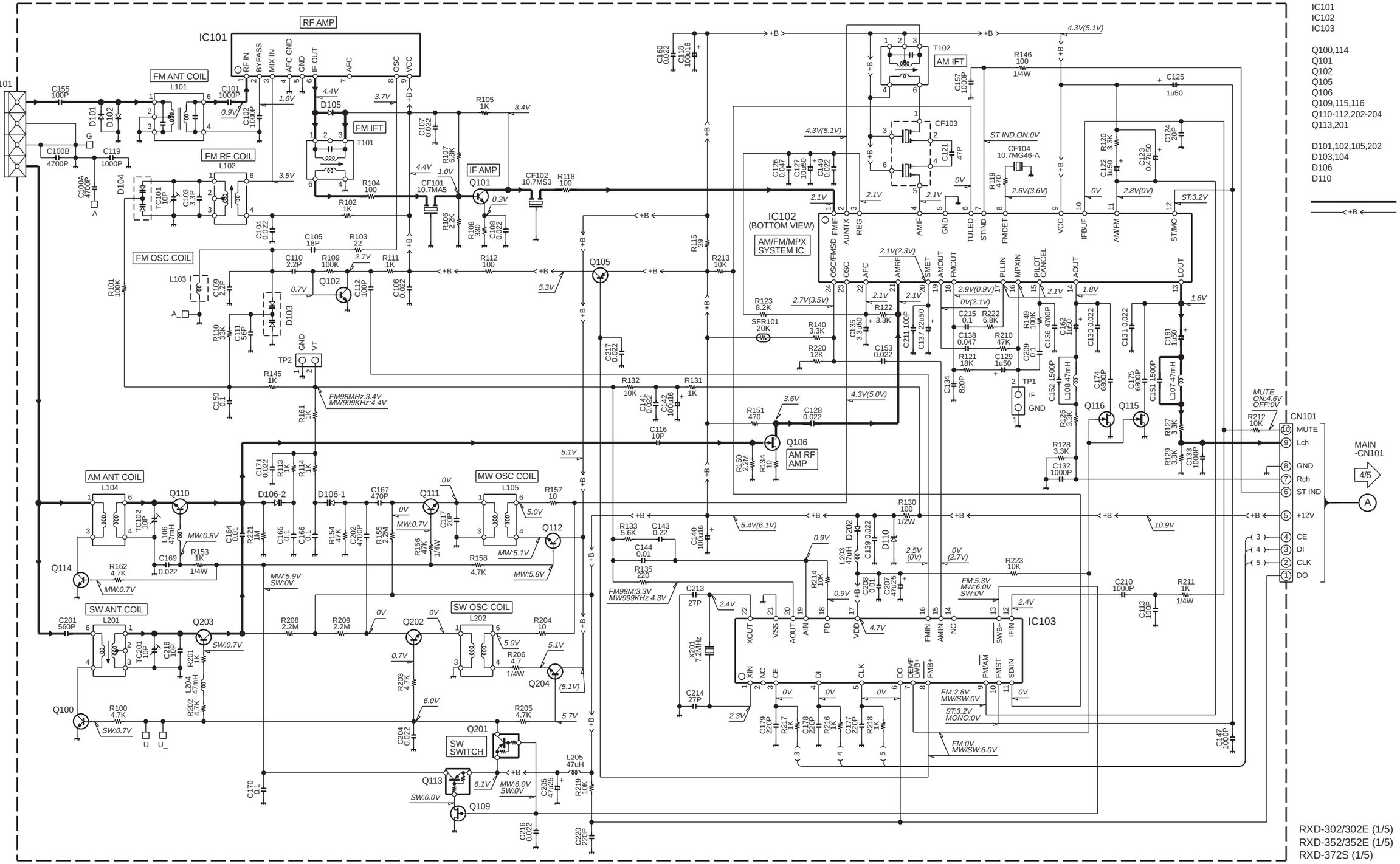


Refer to the schematic diagram for the value of resistors and capacitors.

FRONT UNIT



TUNER UNIT : USED RXD-372S(M2)



RXD-302/302E (1/5)
RXD-352/352E (1/5)
RXD-372S (1/5)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

Y39-3522-71

RXD-302/302E/352/352E/372S

KENWOOD

K L M N O P Q R S T

1 2 3 4 5 6 7

RXD-302 (994B-85)

DESTINATION		CAPE No.	C101	C130, 131	R102	R150	Q103, 104	FE101	JK101	BP101
COUNTRY	ABB.									
EUROPE	E3	B-85	YES	NO	68 1/2W	NO	NO	W02-2681-08	E20-0321-05	YES

RXD-302E (994B-86)

DESTINATION		CAPE No.	C101	C130, 131	R102	R150	Q103, 104	FE101	JK101	BP101
COUNTRY	ABB.									
EUROPE	E4	B-86	YES	NO	68 1/2W	NO	NO	W02-2681-08	E20-0321-05	YES

RXD-352 (994X-XX)

DESTINATION		CAPE No.	C101	C130, 131	R102	R150	Q103, 104	FE101	JK101	BP101
COUNTRY	ABB.									
U.K.	T	S-84	YES	NO	68 1/2W	NO	NO	W02-2681-08	E20-0321-05	YES
EUROPE	E	S-85								
GENERAL MARKET	M	S-87		YES	680 1/4W	YES	YES	W02-2714-08	E20-0070-08	NO
AUSTRALIA	X	S-89	NO	NO		NO	NO			
PX	Y	S-80		YES		YES	YES			

RXD-352E (994S-86)

DESTINATION		CAPE No.	C101	C130, 131	R102	R150	Q103, 104	FE101	JK101	BP101
COUNTRY	ABB.									
EUROPE	E2	S-86	YES	NO	68 1/2W	NO	NO	W02-2681-08	E20-0321-05	YES

IC102 : LA1833
IC103 : LC72131

Q101 : 2SC1675L
Q102 : 2SJ460
Q103,104 : 2SK2541
Q105 : 2SK544F
Q106 : 2SC001L
Q107 : 2SC945

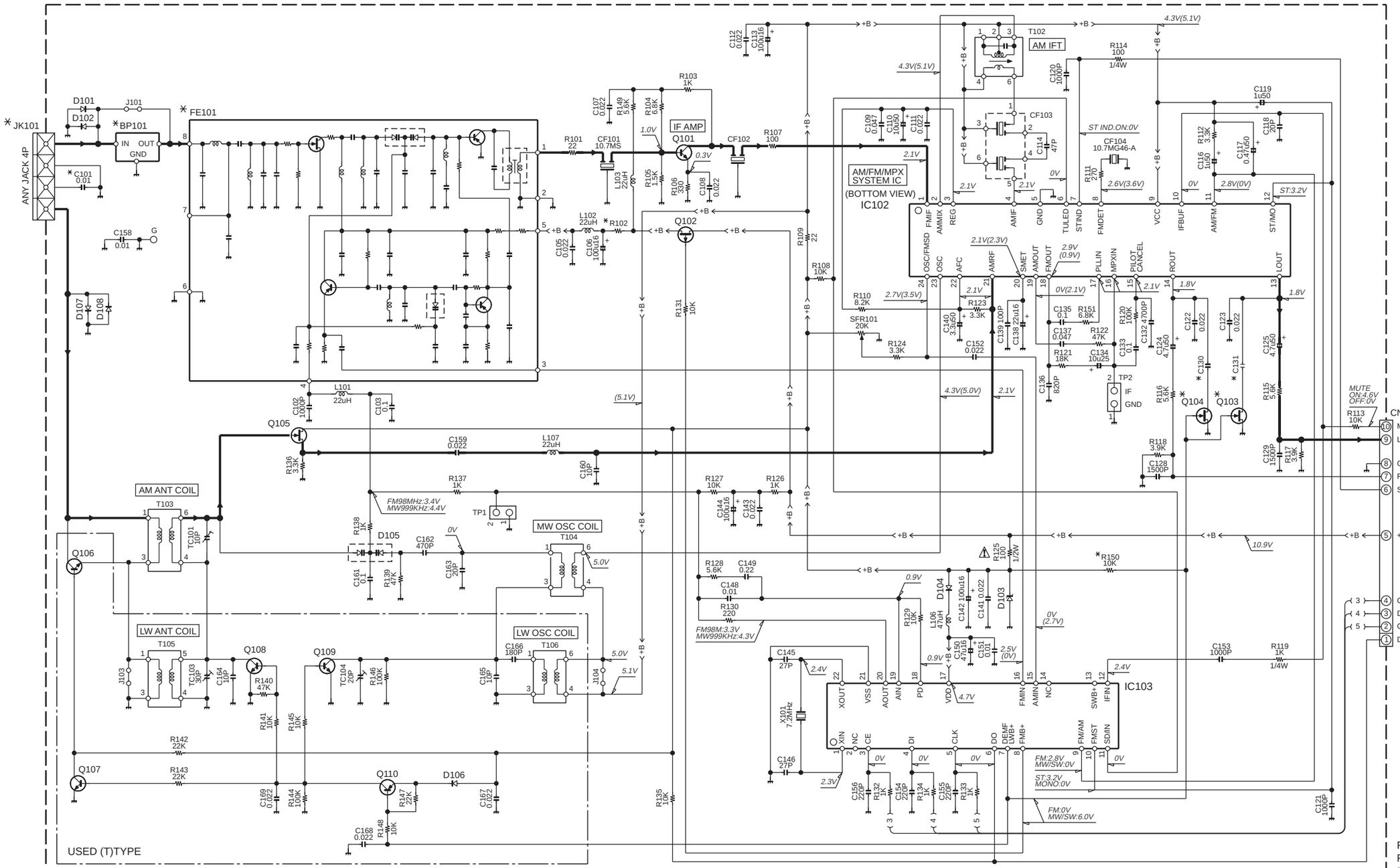
Q108,109 : 2SC2001L
Q110 : 2SA733

D101,102,104, 106-108 : 1SS133
D103 : MTZJ5.6B
D105 : SVC348S-TL

SIGNAL LINE
+B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

TUNER UNIT : RXD-302(E3)/302E(E4)/352(T,E,M,X,Y)/352E(E2)



RXD-302/302E (2/5)
RXD-352/352E (2/5)
RXD-372S (2/5)

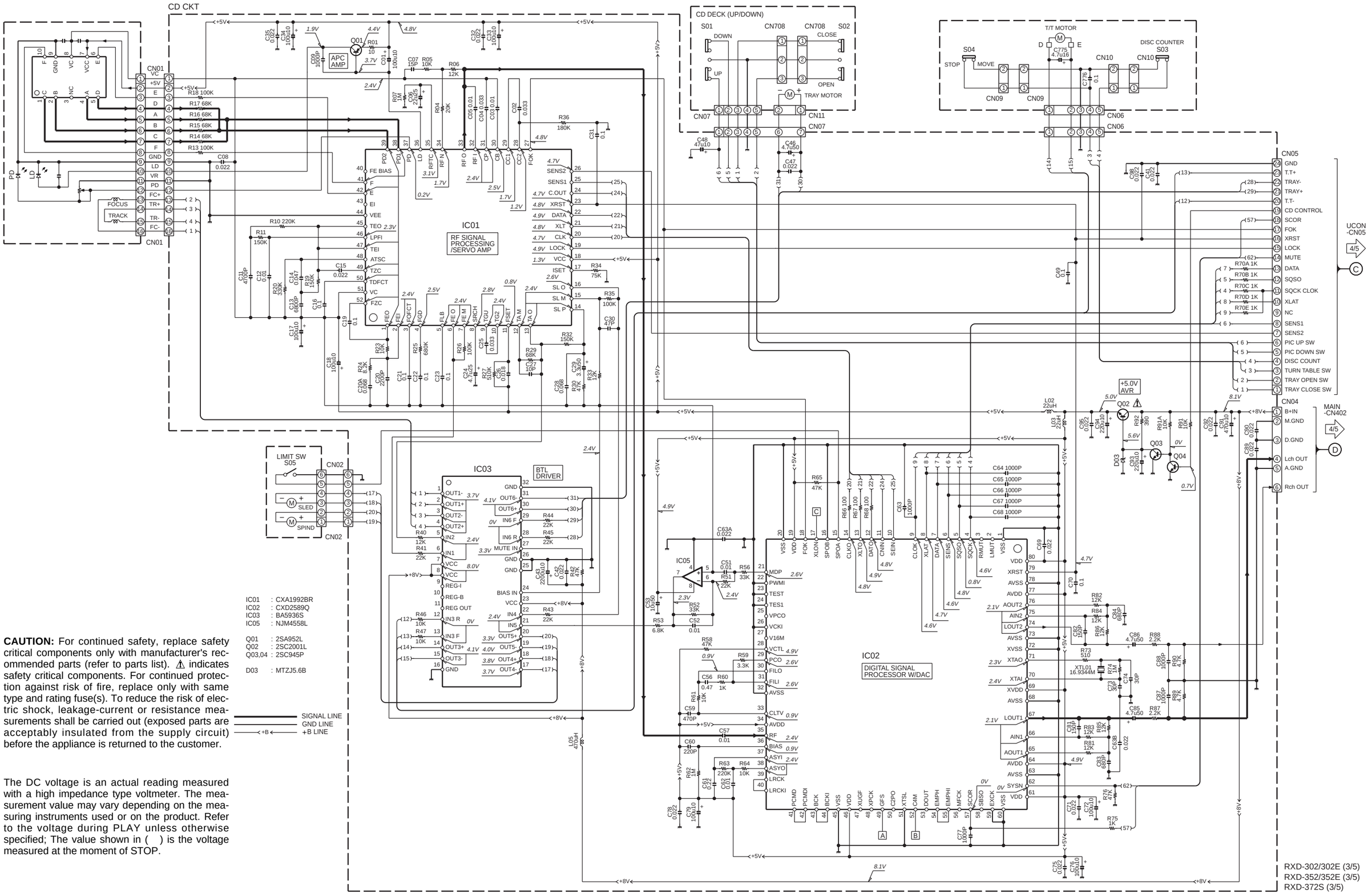
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

Y39-3522-71

RXD-302/302E/352/352E/372S

KENWOOD



IC01 : CXA1992BR
IC02 : CXD2589Q
IC03 : BA5936S
IC05 : NJM4558L

Q01 : 2SA952L
Q02 : 2SC2001L
Q03,04 : 2SC945P

D03 : MTZJ5.6B

SIGNAL LINE
GND LINE
+B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

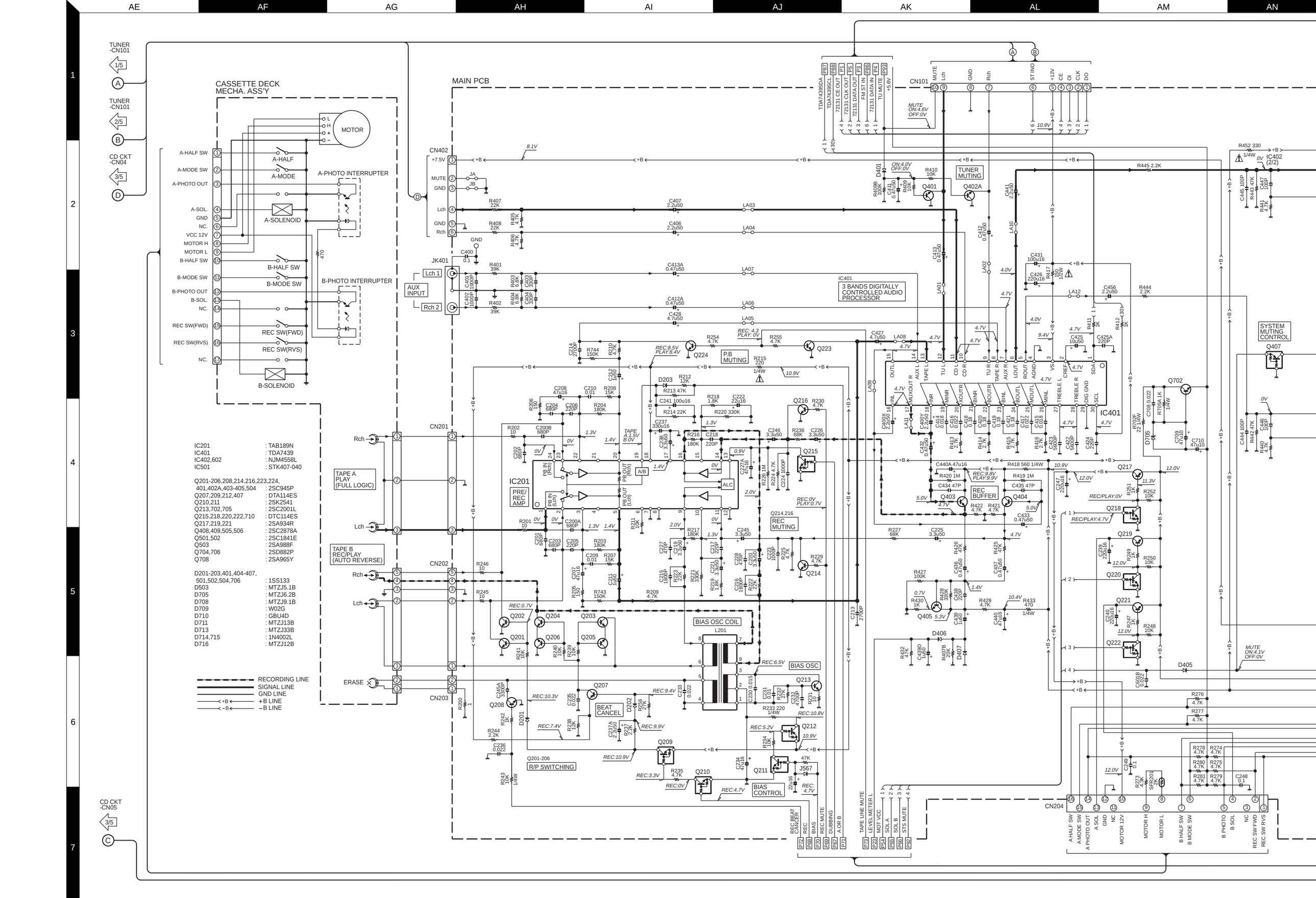
The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in ( ) is the voltage measured at the moment of STOP.

RXD-302/302E (3/5)
RXD-352/352E (3/5)
RXD-372S (3/5)

Y39-3522-71

RXD-302/302E/352/352E/372S

KENWOOD


AE AF AG AH AI AJ AK AL AM AN
1 2 3 4 5 6 7
TUNER -CN101 1/5
TUNER -CN101 2/5
CD CKT -CN04 3/5
CD CKT -CN05 3/5
CASSETTE DECK MECHA. ASS'Y
MOTOR
A-HALF SW
A-MODE SW
A-PHOTO OUT
A-SOL.
GND
NC.
VCC 12V
MOTOR H
MOTOR L
B-HALF SW
B-MODE SW
B-PHOTO OUT
B-SOL.
REC SW(FWD)
REC SW(RVS)
A-HALF
A-MODE
A-PHOTO INTERRUPTER
A-SOLENOID
B-HALF SW
B-MODE SW
B-PHOTO INTERRUPTER
REC SW(FWD)
REC SW(RVS)
B-SOLENOID
MAIN PCB
CN101
MUTE
Lch
GND
Rch
ST IN
+12V
CE
OI
CLK
DO
TDA7439SDA
TDA7439SCL
72131 CE OUT
72131 CLK OUT
72131 DATA OUT
FM ST IN
72131 DATA IN
TU MUTE
+5.6V
MUTE ON:4.6V OFF:0V
CN402
+7.5V
JA
JB
JK401
Lch 1
Rch 2
AUX INPUT
IC401
3 BANDS DIGITALLY CONTROLLED AUDIO PROCESSOR
TUNER MUTING
Q401
Q402A
D401
P.B MUTING
Q223
Q224
REC MUTING
Q214,216
REC BUFFER
Q403
Q404
SYSTEM MUTING CONTROL
Q407
IC402 (2/2)
IC201 : TAB189N
IC401 : TDA7439
IC402,602 : NJM4558L
IC501 : STK407-040
Q201-206,208,214,216,223,224, 401,402A,403-405,504 : 2SC945P
Q207,209,212,407 : DTA114ES
Q210,211 : 2SK2541
Q213,702,705 : 2SC2001L
Q215,218,220,222,710 : DTC114ES
Q217,219,221 : 2SA934R
Q408,409,505,506 : 2SC2878A
Q501,502 : 2SC1841E
Q503 : 2SA988F
Q704,706 : 2SD882P
Q708 : 2SA965Y
D201-203,401,404-407, 501,502,504,706 : 1SS133
D503 : MTZJ5.1B
D705 : MTZJ6.2B
D708 : MTZJ9.1B
D709 : W02G
D710 : GBU4D
D711 : MTZJ13B
D713 : MTZJ33B
D714,715 : 1N4002L
D716 : MTZJ12B
RECORDING LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE
CN201
CN202
CN203
CN204
TAPE A PLAY (FULL LOGIC)
TAPE B REC/PLAY (AUTO REVERSE)
ERASE
IC201
PRE/ REC AMP
PB IN (Rch)
PB IN (Lch)
PB OUT (Rch)
PB OUT (Lch)
A/B
ALC
BEAT CANCEL
R/P SWITCHING
BIAS OSC COIL
L201
BIAS OSC
BIAS CONTROL
J567
TAPE LINE MUTE
LEVEL METER L
MOT VCC
SOL A
SOL B
STS MUTE
REC BEAT CANCER
REC
BIAS
REC MUTE
DUBBING
A OR B
A HALF SW
A MODE SW
A PHOTO OUT
A SOL
GND
NC
MOTOR H
MOTOR L
B HALF SW
B MODE SW
B PHOTO
B SOL
REC SW FWD
REC SW RVS

MAIN PCB

IC501

POWER AMP

PRE AMP

IC402 (1/2)

SYSTEM MUTING

THERMAL SENSOR

DETECTOR

SP. RELAY

SP.RELAY ON/OFF

MUTING

+7.5V AVR

+12V AVR

+12V SWITCHED

-35V AVR

HEADPHONES

SPEAKERS (6-16 Ω)

JK501

JK502

CN501

CN702

P10

P11

P12

P13

REC SW R/S

REC SW FWD

B PHOTO

B MODE SW

B HALF SW

A PHOTO OUT

A MODE SW

A HALF SW

PROTECTION IN

SP RELAY OUT

RXD-352 (994X-XX)

DESTINATION		UNIT No.	F702	F703	J628, 630
COUNTRY	ABB.				
U.K.	T	S-84	T1.6A 250V	NO	YES
EUROPE	E	S-85			
GENERAL MARKET	M	S-87	T3.15AL 250V	YES	NO
AUSTRALIA	X	S-89	T1.6A 250V	NO	
PX	Y	S-80	T3.15AL 250V	YES	

RXD-352E (994S-86)

DESTINATION		UNIT No.	F702	F703	J628, 630
COUNTRY	ABB.				
EUROPE	E2	S-86	T1.6A 250V	NO	YES

RXD-372S (994S-97)

DESTINATION		UNIT No.	F702	F703	J628, 630
COUNTRY	ABB.				
GENERAL MARKET	M2	S-97	T3.15AL 250V	YES	NO

RXD-302 (994B-85)

DESTINATION		UNIT No.	F702	F703	J628, 630
COUNTRY	ABB.				
EUROPE	E3	B-85	T1.6A 250V	NO	YES

RXD-302E (994B-86)

DESTINATION		UNIT No.	F702	F703	J628, 630
COUNTRY	ABB.				
EUROPE	E4	B-86	T1.6A 250V	NO	YES

EXCEPT USED RXD-352/372S

USED RXD-352/372S

POWER TRANSFORMER

(Y,M) : AC110-120V/220-240V~ 50/60Hz

(T,E) : AC230V~ 50Hz

SEE REMARK

F702 T1.6A 250V

F703 T1.6AL 250V

F701 1.6AL 250V

S701

UCON

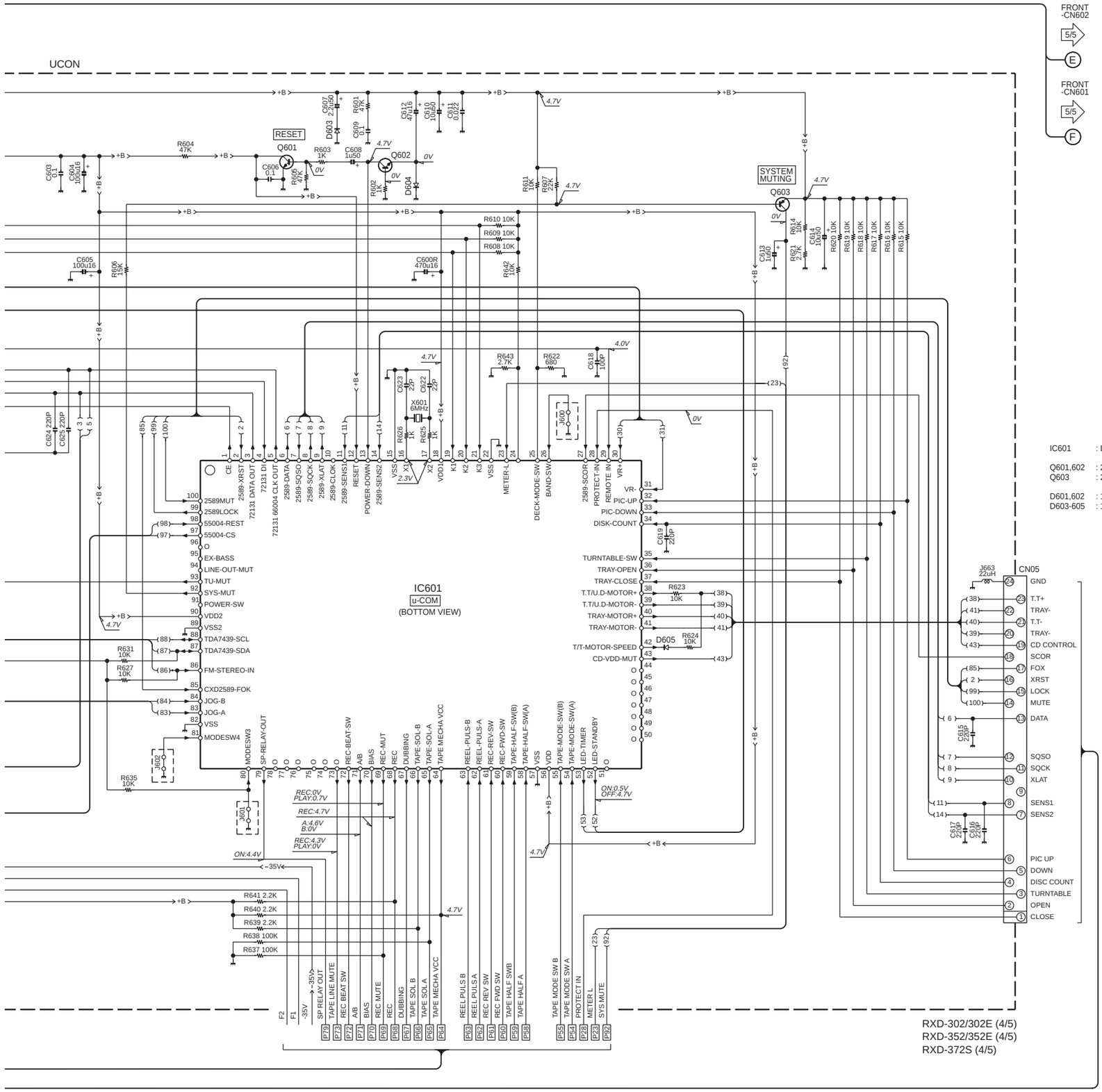
CN602

CN601

D601

D602

MUTE ON:4.6V OFF:0V



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

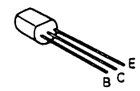
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

IC601 : LC867240A-5L36

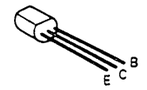
Q601,602 : 2SC945P
Q603 : 2SA733P

D601,602 : 1N4002L
D603-605 : 1SS133

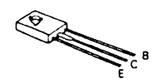
2SA965Y



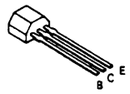
2SA733 2SC2001
2SA934R 2SC2878A
2SA988 2SC945
2SC1674
2SC1675
2SC1841



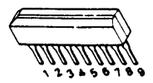
2SD882



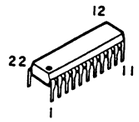
DTA114ES
DTA114YS
DTA144ES
DTC114ES



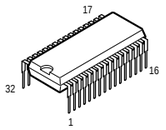
NJM4558L



LC72131



BA5936S



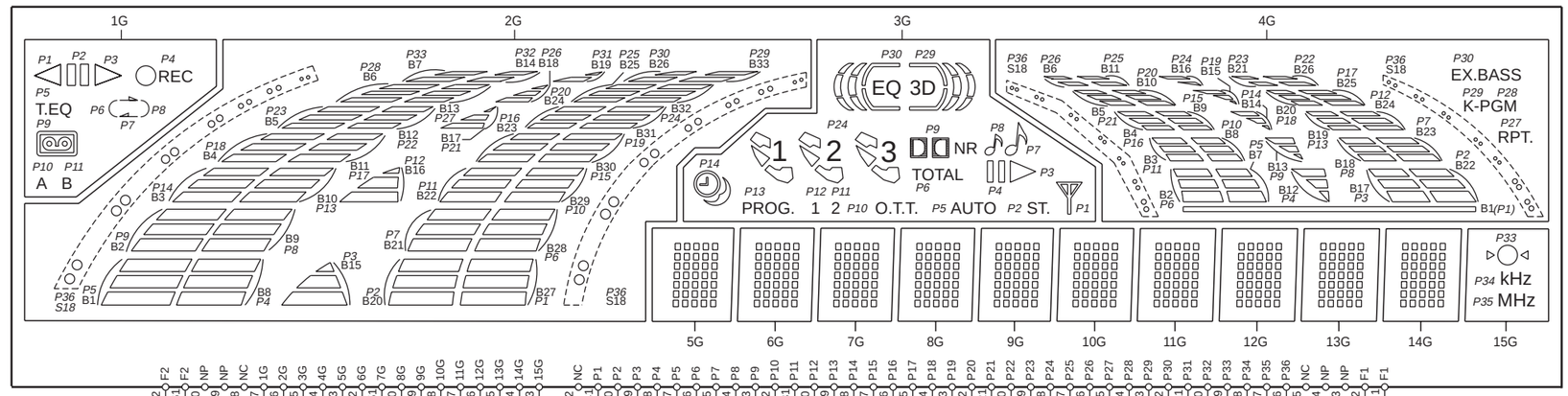
Y39-3522-71

RXD-302/302E/352/352E/372S

KENWOOD

FRONT PCB

FLD801



IC801 : M66004SPA

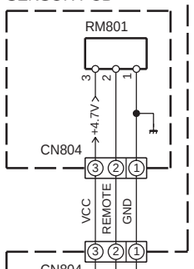
D801 : MTZJ5.6B

LED801,802 : B30-2559-08

+B LINE

−B LINE

SENSOR PCB

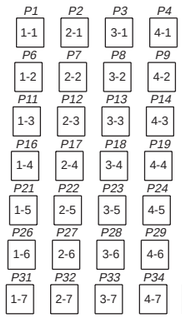


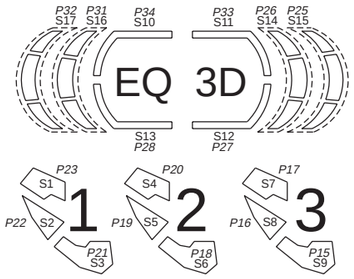
FL CONTROLLER

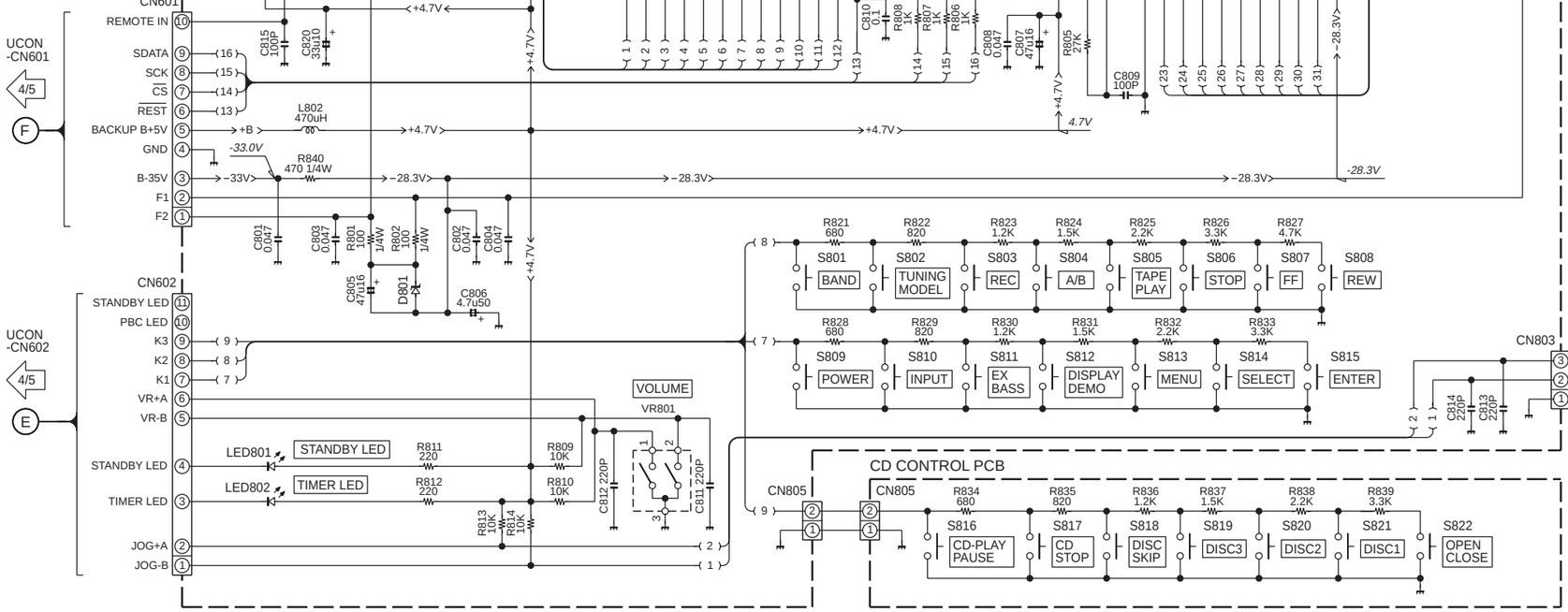
IC801

CD CONTROL PCB

JOG PCB







CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

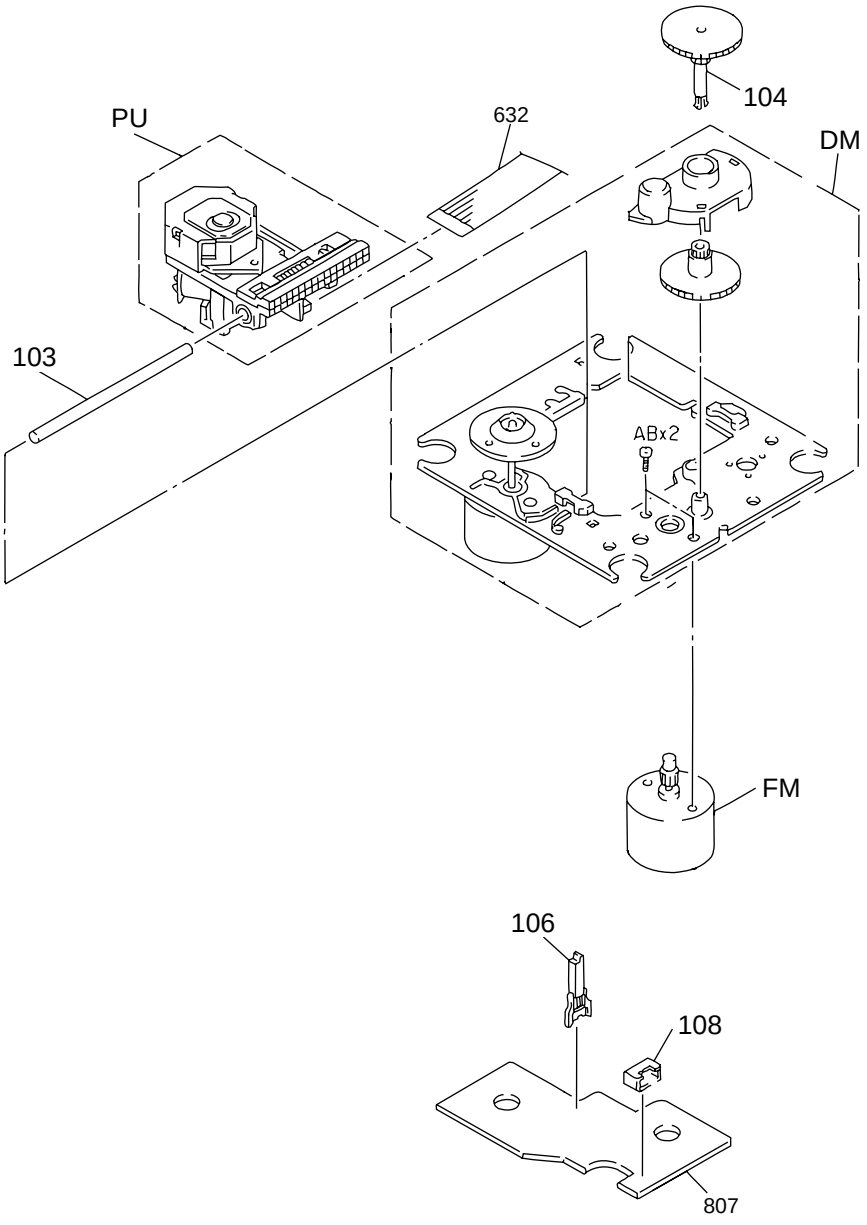
RXD-302/302E (5/5)
RXD-352/352E (5/5)
RXD-372S (5/5)

Y39-3522-71

RXD-302/302E/352/352E/372S

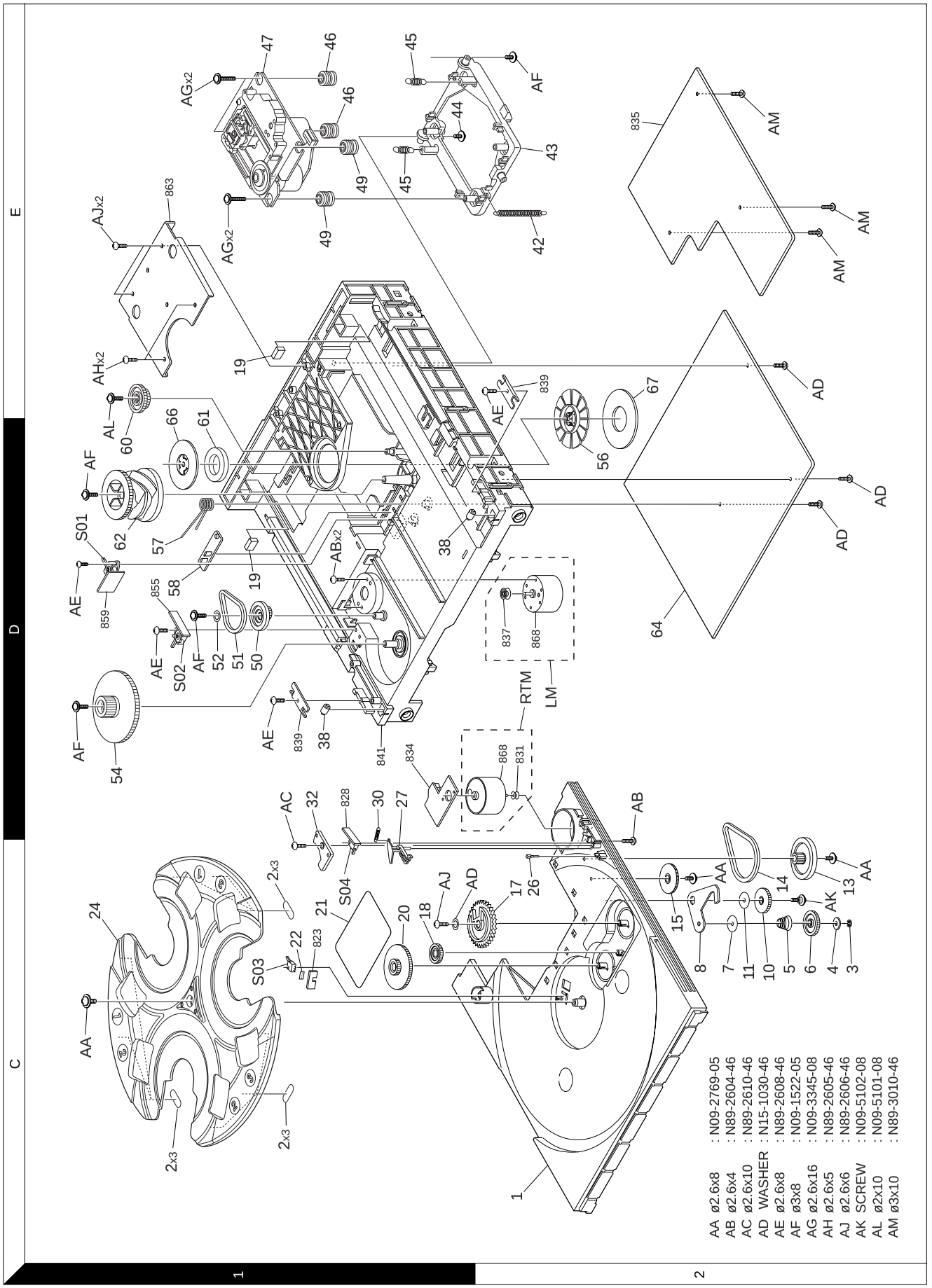
KENWOOD

EXPLODED VIEW (CD MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (CD MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)

Parts with exploded numbers larger than 700 are not supplied.

A	ø3x10	: N91-3010-46
B	ø3x10	: N89-3010-41
C	ø3x12	: N82-3012-46
D	M4x30	: N09-5128-08
E	Push Rivet	: N29-0035-05
F	ø3x10	: N89-3010-46
G	ø3x6	: N89-3006-46
H	ø3x8	: N89-3008-46
J	ø3x14	: N89-3014-46
K	M3x8	: N35-3008-41
L	ø3x8 (FLAT)	: N88-3008-45
M	ø4x10	: N89-4010-46
N	WASHER	: N15-1040-46
P	E-RING	: N19-1498-08
Q	ø3x16	: N89-3016-46
S	ø3x8	: N09-1515-05
U	ø3x12	: N09-1960-05

※ RXD-302/302E
RXD-352/352E
EUROPE and UK

RXD-302/352/372S

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❶

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
RXD-302/302E/352/352E/372S						
601	1F	✻	A01-3711-08	TOP CABINET (METAL)	TEE2	
601	1F	✻	A01-3712-08	TOP CABINET (METAL)BLK	E3E4	
601	1G	✻	A01-3725-08	TOP CABINET	MXYM2	
602	2H	✻	A01-3715-08	BACK CABINET	M	
602	2H	✻	A01-3716-08	BACK CABINET	X	
602	2H	✻	A01-3726-08	BACK CABINET	Y	
602	2H	✻	A01-3727-08	BACK CABINET	M2	
603	2F	✻	A22-1831-08	CONTROL PLATE	MXYM2	
603	2F	✻	A22-1831-08	CONTROL PLATE	TEE2	
603	2F	✻	A22-1832-08	CONTROL PLATE	E3E4	
604	2F	✻	A29-1071-08	FRONT WINDOW	E2	
604	2F	✻	A29-1071-08	FRONT WINDOW	TEMXY	
604	2F	✻	A29-1072-08	FRONT WINDOW	M2	
604	2F	✻	A29-1073-08	FRONT WINDOW	E3E4	
605	2F	✻	A53-2158-08	CASS DOOR L	MXYM2	
605	2F	✻	A53-2158-08	CASS DOOR L	TEE2	
605	2F	✻	A53-2160-08	CASS DOOR L	E3E4	
606	2F	✻	A53-2159-08	CASS DOOR R	MXYM2	
606	2F	✻	A53-2159-08	CASS DOOR R	TEE2	
606	2F	✻	A53-2161-08	CASS DOOR R	E3E4	
607	2F	✻	A53-2162-08	CASS. HOLDER L		
608	2F	✻	A53-2163-08	CASS. HOLDER R		
609	2F	✻	A60-1720-08	FRONT PANEL	MXYM2	
609	2F	✻	A60-1720-08	FRONT PANEL	TEE2	
609	2F	✻	A60-1721-08	FRONT PANEL	E3E4	
610	2F	✻	A60-1723-08	CD DOOR	MXYM2	
610	2F	✻	A60-1723-08	CD DOOR	TEE2	
610	2F	✻	A60-1724-08	CD DOOR	E3E4	
611	2F	✻	A70-1320-08	REMOTE CONTROLLER ASSY(RC-352)		
615	2H	✻	B06-0071-08	HEAT SINK COVER(GREY)	MXYM2	
615	2H	✻	B06-0071-08	HEAT SINK COVER(GREY)	TEE2	
615	2H	✻	B06-0072-08	HEAT SINK COVER(BLK)	E3E4	
616	2F	✻	B10-3526-08	DISPLAY WINDOW (FL FILTER)		
617	2F	✻	B10-3527-08	CASS WINDOW L		
618	2F	✻	B10-3528-08	CASS WINDOW R		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ETE2	
-			B46-0328-03	WARRANTY CARD	Y	
-		✻	B60-4304-08	INSTRUCTION MANUAL (EN)	MXY	
-		✻	B60-4304-08	INSTRUCTION MANUAL (EN)	TE2E4	
-		✻	B60-4305-08	INSTRUCTION MANUAL (FR)	EE3	
-		✻	B60-4306-08	INSTRUCTION MANUAL (ES)	EMM2E3	
-		✻	B60-4307-08	INSTRUCTION MANUAL (NE)	EE3	
-		✻	B60-4308-08	INSTRUCTION MANUAL (IT)	EE3	
-		✻	B60-4309-08	INSTRUCTION MANUAL (GE)	EE3	
-		✻	B60-4310-08	INSTRUCTION MANUAL (TC)	MM2	
-		✻	B60-4312-08	INSTRUCTION MANUAL (PL)	E2E4	
-		✻	B60-4313-08	INSTRUCTION MANUAL (HU)	E2E4	
-		✻	B60-4314-08	INSTRUCTION MANUAL (CZ)	E2E4	
622	2F		D39-0325-08	GEAR DAMPER		
623	1G	✻	D40-1652-08	CD MECHANISM ASSY 9140-C1		
624	2G	✻	D40-1653-08	CASS DECK MECHANISM CWL44FR-10		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❷

	Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠	627	1F		E03-0115-05	AC PLUG ADAPTER	MM2	
	628	1F		E30-2905-08	AC CORD	T	
	628	1F		E30-2906-08	AC CORD	EMM2	
	628	1F		E30-2906-08	AC CORD	E2E3E4	
	628	1F		E30-2907-08	AC CORD	X	
	628	1F		E30-2908-08	AC CORD	Y	
	629	1H,2G	✻	E35-2433-08	FLAT CABLE 16P 200		
	630	1G,1H	✻	E35-2434-08	FLAT CABLE 24P 160		
	632	1B	✻	E35-2449-08	FLAT CABLE 16P 60		
	-		✻	E35-2442-08	A B DECK HEAD LEAD(7P CON ASSY		
	636	2F	✻	G01-4155-08	EJECT SPRING		
	637	2F	✻	G01-4156-08	SPRING		
	638	2G	✻	G02-1686-08	SPRING PLATE(L)		
	639	2G	✻	G02-1687-08	SPRING PLATE(R)		
	640	2G	✻	G11-2484-08	FOOT RUBBER		
	-		✻	H10-7612-08	SNOW BOX L		
	-		✻	H10-7613-08	SNOW BOX R		
	-			H21-0366-08	SOFT SHEET (1500X700X0.5T)		
	-		✻	H50-3398-08	ITEM CARTON CASE	E3	
	-		✻	H50-3399-08	ITEM CARTON CASE	E4	
	-		✻	H50-3401-08	ITEM CARTON CASE	TE	
	-		✻	H50-3402-08	ITEM CARTON CASE	E2	
	-		✻	H50-3404-08	ITEM CARTON CASE	M	
	-		✻	H50-3405-08	ITEM CARTON CASE	M2	
	-		✻	H60-0867-08	ITEM CARTON CASE	XY	
⚠	642	1F		J42-0330-08	POWER CORD BUSHING	E3E4	
⚠	642	1F		J42-0330-08	POWER CORD BUSHING	TEE2	
	643	1F		J19-5961-08	UNIT HOLDER	E3E4	
	643	1F		J19-5961-08	UNIT HOLDER	TEE2	
	644	1F	✻	J02-1457-08	FOOT	MXYM2	
	644	1F	✻	J02-1458-08	FOOT	E3E4	
	644	1F	✻	J02-1458-08	FOOT	TEE2	
	645	1F,2G	✻	J19-6026-08	EJECT HOLDER ASS'Y		
	646	2F,2G	✻	J19-6027-08	EJECT LEVER		
	650	1G	✻	K29-7641-08	DISC BUTTON BASE ASSY		
	651	1G	✻	K29-7642-08	EX. BASS BUTTON ASSY	MXYM2	
	651	1G	✻	K29-7642-08	EX. BASS BUTTON ASSY	TEE2	
	651	1G	✻	K29-7644-08	EX. BASS BUTTON ASSY	E3E4	
	652	2G	✻	K29-7643-08	TUNING BUTTON ASS'Y	MXYM2	
	652	2G	✻	K29-7643-08	TUNING BUTTON ASS'Y	TEE2	
	652	2G	✻	K29-7645-08	TUNING BUTTON ASS'Y	E3E4	
	653	1G	✻	K29-7646-08	OPEN/CLOSE BUTTON	MXYM2	
	653	1G	✻	K29-7646-08	OPEN/CLOSE BUTTON	TEE2	
	653	1G	✻	K29-7647-08	OPEN/CLOSE BUTTON	E3E4	
	654	1G	✻	K29-7648-08	PLAY PAUSE BUTTON	MXYM2	
	654	1G	✻	K29-7648-08	PLAY PAUSE BUTTON	TEE2	
	654	1G	✻	K29-7649-08	PLAY PAUSE BUTTON	E3E4	
	655	2G	✻	K29-7650-08	POWER BUTTON	MXYM2	
	655	2G	✻	K29-7650-08	POWER BUTTON	TEE2	
	655	2G	✻	K29-7651-08	POWER BUTTON	E3E4	
	656	2F	✻	K29-7652-08	VOLUME KNOB	MXYM2	
	656	2F	✻	K29-7652-08	VOLUME KNOB	TEE2	
	656	2F	✻	K29-7653-08	VOLUME KNOB	E3E4	
	657	2G	✻	K29-7654-08	STOP BUTTON	MXYM2	

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❸

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
657	2G	✻	K29-7654-08	STOP BUTTON			TEE2	
657	2G	✻	K29-7655-08	STOP BUTTON			E3E4	
658	2G	✻	K29-7656-08	PLAY BUTTON			MXYM2	
658	2G	✻	K29-7656-08	PLAY BUTTON			TEE2	
658	2G	✻	K29-7657-08	PLAY BUTTON			E3E4	
659	2F	✻	K29-7658-08	JOG KNOB			MXYM2	
659	2F	✻	K29-7658-08	JOG KNOB			TEE2	
659	2F	✻	K29-7659-08	JOG KNOB			E3E4	
⚠ 663	1H	✻	L07-2777-08	POWER TRANS.			TEE2	
⚠ 663	1H	✻	L07-2778-08	POWER TRANS.			MYM2	
⚠ 663	1H	✻	L07-2779-08	POWER TRANS.			X	
D		✻	N09-5128-08	SCREW 4X30				
P		✻	N19-1498-08	E-RING				
667	1F		T90-0815-08	AM LOOP ANTENNA				
668	1F		T90-0836-05	LEAD WIRE ANTENNA			E3E4	
668	1F		T90-0836-05	LEAD WIRE ANTENNA			TEE2	
668	1F	✻	T90-0847-08	LEAD WIRE ANTENNA			MXYM2	
TUNER UNIT (TEE2E3E4MXY)								
C101			C91-0769-05	CERAMIC	0.010UF	K	E3E4	
C101			C91-0769-05	CERAMIC	0.010UF	K	TEE2	
C102			C91-0757-05	CERAMIC	1000PF	K		
C103			C91-1525-08	CERAMIC	0.1UF	Z		
C105			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C106			CE04KW1C101M	ELECTRO	100UF	16WV		
C107,108			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C110			CE04KW1H100M	ELECTRO	10UF	50WV		
C111,112			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C113			CE04KW1C101M	ELECTRO	100UF	16WV		
C114			C91-0737-05	CERAMIC	47PF	J		
C116			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C117			CE04KW1HR47M	ELECTRO	0.47UF	50WV		
C118		✻	C91-1592-08	CERAMIC	20PF	J		
C119			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C120,121			C91-0757-05	CERAMIC	1000PF	K		
C122,123			CQ92FM1H223J	MYLAR	0.022UF	J		
C124,125			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C128,129			CQ92FM1H152J	MYLAR	1500PF	J		
C130,131			CQ92FM1H103K	MYLAR	0.010UF	K	MY	
C132			C91-0765-05	CERAMIC	4700PF	J		
C133			CK45FB1H104Z	CERAMIC	0.10UF	Z		
C134			CE04KW1H100M	ELECTRO	10UF	50WV		
C135			CK45FB1H104Z	CERAMIC	0.10UF	Z		
C136			C91-0756-05	CERAMIC	820PF	K		
C138			CE04KW1C220M	ELECTRO	22UF	16WV		
C139			C91-0745-05	CERAMIC	100PF	K		
C140			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C141			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C142			CE04KW1C101M	ELECTRO	100UF	16WV		
C143			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C144			CE04KW1C101M	ELECTRO	100UF	16WV		
C145,146			CC45FCH1H270J	CERAMIC	27PF	J		
C148			CQ92FM1H103J	MYLAR	0.010UF	J		
C149			CF92FV1H224J	MF-C	0.22UF	J		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❹

Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
C150			CE04KW1C470M	ELECTRO	47UF		16WV		
C151			C91-0769-05	CERAMIC	0.010UF	K			
C152			CK14FF1E223Z	CERAMIC	0.022UF	Z			
C153			C91-0757-05	CERAMIC	1000PF	K			
C154-156			C91-0749-05	CERAMIC	220PF	K			
C158			C91-0769-05	CERAMIC	0.010UF	K			
C159			CK14FF1E223Z	CERAMIC	0.022UF	Z			
C160			C91-0721-05	CERAMIC	10PF	J			
C161			CK45FB1H104Z	CERAMIC	0.10UF	Z			
C162			CF92FV1H471J	MF-C	470PF	J			
C163		✻	C91-1592-08	CERAMIC	20PF	J			
C164,165			C91-0709-05	CERAMIC	1.0PF	M		T	
C166			CF92FV1H181K	MF-C	180PF	K		T	
C167			CK14FF1E223Z	CERAMIC	0.022UF	Z			
C168,169			CK14FF1E223Z	CERAMIC	0.022UF	Z		T	
TC101			C05-0231-08	TRIMMER 10P-VCT51C554A					
TC101			C05-0238-08	TRIMMER CON 10PS 5010100055					
TC103			C05-0239-08	TRIMMER C 30P				T	
TC104		✻	C05-0243-08	TRIMMER C 20P				T	
JK101			E20-0321-05	2P ANT TER				E3E4	
JK101			E20-0321-05	2P ANT TER				TEE2	
JK101			E70-0070-08	4P ANT TER				MXY	
BP101		✻	L72-0625-08	FM BAND PASS FILTER				E3E4	
BP101		✻	L72-0625-08	FM BAND PASS FILTER				TEE2	
CF101			L72-0586-08	CERAMIC F					
CF102			L72-0591-08	CERAMIC F					
CF103			L72-0587-08	CERAMIC F					
CF104		✻	L78-0706-08	RESONATOR					
L101-103			L39-1334-08	P COIL 220					
L106			L39-1344-08	P COIL 470					
L107			L39-1332-08	P COIL 220					
T102			L30-0922-08	AM IFT 4340101240					
T102		✻	L30-0964-08	AM IFT 4340101390					
T103			L31-0618-08	AM ANT COIL					
T104		✻	L32-0581-08	MW OSC COIL					
T105			L31-0635-08	LW ANT COIL				T	
T106			L32-1008-08	LW OSC COIL				T	
X101			L77-2243-08	X'TAL 7.2MHZ					
R102			RS14GB2H680J	FL-PROOF RS	68	J	1/2W	E3E4	
R102			RS14GB2H680J	FL-PROOF RS	68	J	1/2W	TEE2	
⚠ R125			RS14GB2H101J	FL-PROOF RS	100	J	1/2W		
SFR101		✻	R32-0087-08	TRIMMING POT.					
D101,102			1SS133	DIODE					
D103			MTZJ5.6B	Z DIODE					
D104			1SS133	DIODE					
D105		✻	SVC348S-TL	DIODE					
D106			1SS133	DIODE				T	
D107,108			1SS133	DIODE					
IC102		✻	LA1833L	IC					
IC103			LC72131D	IC					
Q101			2SC1675(L)	TRANSISTOR					
Q102		✻	2SJ460	FET					
Q103,104			2SK2541	FET				MY	

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

5

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
Q105			2SK544F-T	FET				
Q106			2SC2001L	TRANSISTOR			T	
Q107			2SC945	TRANSISTOR			T	
Q108,109			2SC2001L	TRANSISTOR			T	
Q110			2SA733	TRANSISTOR			T	
FE101			W02-2681-08	FM FRONT END			E3E4	
FE101			W02-2681-08	FM FRONT END			TEE2	
FE101		✻	W02-2714-08	FM FRONT END (PCB ASSY)			MXY	
TUNER UNIT (M2)								
C100A			C91-0765-05	CERAMIC	4700PF	J		
C100B			C91-0765-05	CERAMIC	4700PF	J		
C101,102			C91-0757-05	CERAMIC	1000PF	K		
C103			C91-0715-05	CERAMIC	3.3PF	K		
C104			C91-0085-05	CERAMIC	0.022UF	N		
C105			CC45FSL1H180J	CERAMIC	18PF	J		
C106-108			C91-0085-05	CERAMIC	0.022UF	N		
C109			C91-0713-05	CERAMIC	2.2PF	K		
C110			C91-0713-05	CERAMIC	2.2PF	K		
C111			C91-0739-05	CERAMIC	56PF	J		
C112,113			C91-0745-05	CERAMIC	100PF	K		
C116			CC45FSL1H100J	CERAMIC	10PF	J		
C117		✻	C91-1592-08	CERAMIC	20PF	J		
C118			CE04KW1C101M	ELECTRO	100UF	16WV		
C119			C91-0757-05	CERAMIC	1000PF	K		
C121			C91-0737-05	CERAMIC	47PF	J		
C122			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C123			CE04KW1HR47M	ELECTRO	0.47UF	50WV		
C124		✻	C91-1592-08	CERAMIC	20PF	J		
C125			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C126			CK14F1H473Z	CERAMIC	0.047UF	Z		
C127			CE04KW1H100M	ELECTRO	10UF	50WV		
C128			C91-0085-05	CERAMIC	0.022UF	N		
C129			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C130,131			CQ92FM1H223J	MYLAR	0.022UF	J		
C132,133			CQ92FM1H102J	MYLAR	1000PF	J		
C134			C91-0756-05	CERAMIC	820PF	K		
C135			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C136			C91-0765-05	CERAMIC	4700PF	J		
C137			CE04KW1H220M	ELECTRO	22UF	50WV		
C138			CK14F1H473Z	CERAMIC	0.047UF	Z		
C139			C91-0085-05	CERAMIC	0.022UF	N		
C140			CE04KW1C101M	ELECTRO	100UF	16WV		
C141			C91-0085-05	CERAMIC	0.022UF	N		
C142			CE04KW1C101M	ELECTRO	100UF	16WV		
C143			CF92FV1H224J	MF-C	0.22UF	J		
C144			CQ92FM1H103J	MYLAR	0.010UF	J		
C147			C91-0757-05	CERAMIC	1000PF	K		
C149			C91-0085-05	CERAMIC	0.022UF	N		
C150			C91-1525-08	CERAMIC	0.1UF	Z		
C151,152			C91-0759-05	CERAMIC	1500PF	M		
C153			C91-0085-05	CERAMIC	0.022UF	N		
C155			C91-0745-05	CERAMIC	100PF	K		
C157			C91-0757-05	CERAMIC	1000PF	K		
C160			C91-0085-05	CERAMIC	0.022UF	N		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

6

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C161,162			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C164			CK45FB1H103Z	CERAMIC	0.010UF	Z		
C165,166			CK45FB1H104Z	CERAMIC	0.10UF	Z		
C167			CQ93FMG1H471J	MYLAR	470PF	J		
C169			C91-0085-05	CERAMIC	0.022UF	N		
C170			C91-1525-08	CERAMIC	0.1UF	Z		
C171			CK45FB1H223Z	CERAMIC	0.022UF	Z		
C174,175			CQ92FM1H682J	MYLAR	6800PF	J		
C177-179			C91-0749-05	CERAMIC	220PF	K		
C201			C91-0754-05	CERAMIC	560PF	J		
C202			CQ09S1H472J	POLYSTY	4700PF	J		
C204			C91-0085-05	CERAMIC	0.022UF	N		
C205			CE04KW1E470M	ELECTRO	47UF	25WV		
C207			CE04KW1E470M	ELECTRO	47UF	25WV		
C208			C91-0769-05	CERAMIC	0.010UF	K		
C209			C91-1525-08	CERAMIC	0.1UF	Z		
C210			C91-0757-05	CERAMIC	1000PF	K		
C211			C91-0745-05	CERAMIC	100PF	K		
C213,214			CC45FCH1H270J	CERAMIC	27PF	J		
C215			CK45FB1H104Z	CERAMIC	0.10UF	Z		
C216,217			C91-0085-05	CERAMIC	0.022UF	N		
C218			C91-0721-05	CERAMIC	10PF	J		
C220			C91-0749-05	CERAMIC	220PF	K		
TC101,102			C05-0238-08	TRIMMER CON 10PS TZ-03N100TR				
TC201			C05-0238-08	TRIMMER CON 10PS TZ-03N100TR				
CN101			E40-8336-08	10P FTW TOP BASE(2.0)				
JK101			E70-0070-08	4P ANT TER CJ-9020-02-04				
CF101			L72-0591-08	CERAMIC F SFE10.7MA5 RED				
CF102			L72-0586-08	CERAMIC F SFE10.7MS3GYM RED				
CF103			L72-0587-08	CERAMIC F SFZ450B				
CF104		✻	L78-0708-08	RESONATOR CDA10.7MG46-A				
L101			L31-0622-08	FM ANT COIL PC-8474-1				
L102			L31-0623-08	FM RF COIL PC-8867				
L103			L32-0584-08	FM OSC COIL R22-F036X ORG				
L104			L31-0618-08	AM ANT COIL TWS-358-762				
L105			L32-0581-08	MW OSC COIL TWS-358-751				
L106			L40-3925-29	INDUCTANCE 392K				
L107,108			L39-1340-08	INDUCTANCE 473K				
L201			L31-0634-08	SW ANT COIL				
L202			L32-1005-08	SW OSC COIL				
L203			L39-1344-08	P. COIL 470K-T				
L204			L39-1340-08	INDUCTANCE 473K				
L205			L39-1344-08	P. COIL 470K-T				
T101			L30-0926-08	FM IFT TWS-358-412				
T102			L30-0922-08	AM IFT R22-E792				
X201			L77-2243-08	X'TAL(7.2MHZ)				
⚠ R130			RS14GB2H101J	FL-PROOF RS	100	J 1/2W		
SFR101			R32-0008-08	TRIMMING POT.				
D101,102			1SS133	DIODE				
D103,104		✻	SVC211SPA	DIODE				
D105			1SS133	DIODE				
D106			KV1561A-2	DIODE				
D108			KV1561A-2	DIODE				

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❼

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
D110			MTZJ6.2B	ZENER DIODE				
D202			1SS133	DIODE				
IC101			LA1186N	IC				
IC102		✻	LA1833L	IC(AM/FM TUNER)				
IC103			LC72131	IC(PLL FREQUENCY SYNTHESIZER)				
Q100			2SC2001L	TRANSISTOR				
Q101			2SC1675(L)	TRANSISTOR				
Q102			2SC1674(L)	TRANSISTOR				
Q105			DTA114YS	TRANSISTOR				
Q106			2SK544F-T	FET				
Q109			2SK2541	TRANSISTOR				
Q110-112			2SC2878A	TRANSISTOR				
Q113			DTA144ES	TRANSISTOR				
Q114			2SC2001L	TRANSISTOR				
Q115,116			2SK2541	TRANSISTOR				
Q201			DTA144ES	TRANSISTOR				
Q202-204			2SC2878A	TRANSISTOR				
MAIN UNIT								
C200A			C91-0755-05	CERAMIC	680PF	K		
C200B			C91-0755-05	CERAMIC	680PF	K		
C201-204			C91-0755-05	CERAMIC	680PF	K		
C205,206			C91-0749-05	CERAMIC	220PF	K		
C207,208			CE04KW1C470M	ELECTRO	47UF	16WV		
C209,210			CK45FB1E103K	CERAMIC	0.010UF	K		
C211,212			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C213,214			C91-0762-05	CERAMIC	2700PF	M		
C215,216			C91-0760-05	CERAMIC	1800PF	M		
C217,218			C91-0749-05	CERAMIC	220PF	K		
C219-221			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C222			CE04KW1C220M	ELECTRO	22UF	16WV		
C223,224			C91-0757-05	CERAMIC	1000PF	K		
C225,226			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C227,228			C91-0753-05	CERAMIC	470PF	K		
C227A			CE04KW1C470M	ELECTRO	47UF	16WV		
C230			CQ92FM1H153J	MYLAR	0.015UF	J		
C231			CQ92FM1H103J	MYLAR	0.010UF	J		
C232			CQ92FM1H472J	MYLAR	4700PF	J		
C233			CF92FV1H223J	MF-C	0.022UF	J		
C234			CE04KW1C470M	ELECTRO	47UF	16WV		
C235,236			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C237			CE04KW1C331M	ELECTRO	330UF	16WV		
C237A			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C238			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C239,240			CE04KW1C221M	ELECTRO	220UF	16WV		
C241			CE04KW1C101M	ELECTRO	100UF	16WV		
C245,246			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C245A			CF92FV1H332J	MF-C	3300PF	J		
C247			CE04KW1C221M	ELECTRO	220UF	16WV		
C248,249			C91-1525-08	CERAMIC	0.1UF	Z		
C400			C91-1525-08	CERAMIC	0.1UF	Z		
C400X			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C400Y			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C401,402			C91-0757-05	CERAMIC	1000PF	K		
C403,404			C91-0751-05	CERAMIC	330PF	K		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❽

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C406,407			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C411-413			CE04KW1HR47M	ELECTRO	0.47UF	50WV		
C412A,413A			CE04KW1HR47M	ELECTRO	0.47UF	50WV		
C414,415			CQ92FM1H183J	MYLAR	0.018UF	J		
C416,417			CQ92FM1H223J	MYLAR	0.022UF	J		
C418-421			CQ92FM1H184J	MYLAR	0.18UF	J		
C422,423			CQ92FM2A562J	MYLAR	5600PF	J		
C424			C91-0749-05	CERAMIC	220PF	K		
C425			CE04KW1H100M	ELECTRO	10UF	50WV		
C425A			C91-0749-05	CERAMIC	220PF	K		
C426			CE04KW1C221M	ELECTRO	220UF	16WV		
C427,428			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C431			CE04KW1C101M	ELECTRO	100UF	16WV		
C432,433			CE04HW1HR47M	NP-ELEC	0.47UF	50WV		
C434,435			C91-0737-05	CERAMIC	47PF	J		
C436,437			CE04KW1HR47M	ELECTRO	0.47UF	50WV		
C438			C91-0749-05	CERAMIC	220PF	K		
C439			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C439D			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C440			CE04KW1C470M	ELECTRO	47UF	16WV		
C440A			CE04KW1C470M	ELECTRO	47UF	16WV		
C441			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C444-447			C91-0745-05	CERAMIC	100PF	K		
C448,449			C91-0751-05	CERAMIC	330PF	K		
C450,451			CE04KW1C470M	ELECTRO	47UF	16WV		
C452,453			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C454,455			CE04KW1H470M	ELECTRO	47UF	50WV		
C456			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C457			C91-1525-08	CERAMIC	0.1UF	Z		
C501,502			C91-0757-05	CERAMIC	1000PF	K		
C503,504			CE04KW1H470M	ELECTRO	47UF	50WV		
C505,506			C91-0717-05	CERAMIC	4.7PF	K		
C507,508			CE04KW1H101M	ELECTRO	100UF	50WV		
C509,510			CE04KW1H100M	ELECTRO	10UF	50WV		
C511			C91-1525-08	CERAMIC	0.1UF	Z		
C513,514			CQ92FM1H104J	MYLAR	0.10UF	J		
C515,516			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C517			CE04KW1C101M	ELECTRO	100UF	16WV		
C518			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C519-522			C91-0757-05	CERAMIC	1000PF	K		
C524,525			C91-0757-05	CERAMIC	1000PF	K		
C526A			C91-0757-05	CERAMIC	1000PF	K		
C530			C91-1525-08	CERAMIC	0.1UF	Z		
C600R			CE04KW1C471M	ELECTRO	470UF	16WV		
C601			C90-3824-08	ELECTRO	4700UF	5.5WV		
C601B			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C603			C91-1525-08	CERAMIC	0.1UF	Z		
C604,605			CE04KW1C101M	ELECTRO	100UF	16WV		
C606			C91-1525-08	CERAMIC	0.1UF	Z		
C607			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C608			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C609			C91-1525-08	CERAMIC	0.1UF	Z		
C610			CE04KW1H100M	ELECTRO	10UF	50WV		
C611			CK14FF1E223Z	CERAMIC	0.022UF	Z		
C612			CE04KW1C470M	ELECTRO	47UF	16WV		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

9

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
C613			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C614			CE04KW1H100M	ELECTRO 10UF 50WV		
C615-617			C91-0749-05	CERAMIC 220PF K		
C618			C91-0745-05	CERAMIC 100PF K		
C619			C91-0749-05	CERAMIC 220PF K		
C622,623			CC45FCH1H220J	CERAMIC 22PF J		
C624-626			C91-0749-05	CERAMIC 220PF K		
C700			C91-1525-08	CERAMIC 0.1UF Z		
C708			CK14FF1E223Z	CERAMIC 0.022UF Z		
C709,710			CE04KW1C470M	ELECTRO 47UF 16WV		
C713			C91-0756-05	CERAMIC 820PF K		
C714			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C715			CE04KW1C221M	ELECTRO 220UF 16WV		
C716-718			CK14FF1E223Z	CERAMIC 0.022UF Z		
C719			CE04KW1C221M	ELECTRO 220UF 16WV		
C720			CE04KW1H100M	ELECTRO 10UF 50WV		
C721-724			CK45FB1H472K	CERAMIC 4700PF K		
C725-728			CK45FB1C103K	CERAMIC 0.010UF K		
C729,730			CE04KW1H332M	ELECTRO 3300UF 50WV		
C731			CE04DW1E222M	ELECTRO 2200UF 25WV		
C732			CE04KW1C471M	ELECTRO 470UF 16WV		
C733-735			CK14FF1E223Z	CERAMIC 0.022UF Z		
C736			CE04KW1E471M	ELECTRO 470UF 25WV		
C737			CK14FF1E223Z	CERAMIC 0.022UF Z		
C738			CE04KW1C471M	ELECTRO 470UF 16WV		
C739			CE04KW1C101M	ELECTRO 100UF 16WV		
C740,741			CK14FF1E223Z	CERAMIC 0.022UF Z		
C743			CE04KW1H101M	ELECTRO 100UF 50WV		
C744,745			CK14F1H473Z	CERAMIC 0.047UF Z		
C746			CE04KW1H101M	ELECTRO 100UF 50WV		
C747			CE04KW2A470M	ELECTRO 47UF 100WV		
C748,749			CK45FB1E103K	CERAMIC 0.010UF K		
⚠ C750			CE04KW2A470M	ELECTRO 47UF 100WV		
C752			CE04KW1E471M	ELECTRO 470UF 25WV		
C753			C91-1525-08	CERAMIC 0.1UF Z		
CN05		✻	E40-8457-08	FLAT CABLE CONNECTOR (24P)		
CN204		✻	E35-2435-08	FLAT CABLE CONNECTOR (16P)		
CN601		✻	E40-8453-08	PIN ASSY (10P)		
CN602		✻	E40-8455-08	PIN ASSY (11P)		
JK401			E63-1073-08	2P RCA JACK		
JK501			E70-0108-08	4P SPEAKER TER		
JK502			E11-0386-08	H/P JACK		
⚠ F701			F05-1623-05	FUSE T1.6AL250V	EE2	
⚠ F701			F05-1623-05	FUSE T1.6AL250V	E3E4	
⚠ F701			F05-1623-05	FUSE T1.6AL250V	MXYM2	
⚠ F702			F05-1623-05	FUSE T1.6AL250V	E2E3E4	
⚠ F702			F05-1623-05	FUSE T1.6AL250V	TEMX	
⚠ F702			F05-3121-05	FUSE T3.15AL250V	MYM2	
⚠ F703			F05-1623-05	FUSE T1.6AL250V	MYM2	
L201			L32-1007-08	BIAS OSC COIL		
L501,502			L39-1341-08	SPRING COIL		
L602		✻	L39-1375-08	MOTOR CHOKE		
L700		✻	L39-1380-08	P.COIL		
X601			L77-2244-08	X'TAL 6.00MHZ		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

10

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ R215			RD14BB2E221J	RD 220 J 1/4W		
⚠ R417			RD14BB2E151J	RD 150 J 1/4W		
⚠ R452,453			RD14BB2E331J	RD 330 J 1/4W		
⚠ R507,508			RS14GB2H101J	FL-PROOF RS 100 J 1/2W		
R511,512		✻	R92-1923-08	CEMENT R 0.22 J 2W		
R519,520			RS14GB2H4R7J	FL-PROOF RS 4.7 J 1/2W		
R524,525			RS14GB2H4R7J	FL-PROOF RS 4.7 J 1/2W		
R529,530			RS14AB3A331J	FL-PROOF RS 330 J 1W		
R700			RD14BB2H475J	RD 4.7M J 1/2W		
⚠ R701F			R92-1924-08	FL-PROOF RS 1 J 1/4W		
R702F			RS14AB2H220J	FL-PROOF RS 22 J 1/2W		
⚠ R710F			RS14AB2H100J	FL-PROOF RS 10 J 1/2W		
R712			RS14AB3A221J	FL-PROOF RS 220 J 1W		
R717			RS14AB3A152J	FL-PROOF RS 1.5K J 1W		
SFR201		✻	R32-0088-08	TRIMMING POT.		
RL501			S76-0048-08	RELAY		
⚠ S701			S62-0083-08	SLIDE SWITCH	MYM2	
D201-203			1SS133	DIODE		
D401			1SS133	DIODE		
D404-407			1SS133	DIODE		
D501,502			1SS133	DIODE		
D503			MTZJ5.1B	Z DIODE		
D504			1SS133	DIODE		
D567			1SS133	DIODE		
D587A			1SS133	DIODE		
D601,602			1N4002L	DIODE		
D603-605			1SS133	DIODE		
D705			MTZJ6.2B	Z DIODE		
D706			1SS133	DIODE		
D708			RD9.1E(B1)	Z DIODE		
⚠ D709			W02G	DIODE		
⚠ D710			GBU4D	DIODE		
D711			MTZJ13B	Z DIODE		
D713			MTZJ33B	Z DIODE		
⚠ D714,715			1N4002L	DIODE		
D716			MTZJ12B	Z DIODE		
IC201			TA8189N	IC		
IC401			TDA7439	IC		
IC402			NJM4558L	IC(OP AMP X2)		
⚠ IC501			STK407-040	IC		
IC601			LC867240A-5L36	IC		
IC602			NJM4558L	IC(OP AMP X2)		
Q201-206			2SC945	TRANSISTOR		
Q207			DTA114ES	TRANSISTOR		
Q208			2SC945	TRANSISTOR		
Q209			DTA114ES	TRANSISTOR		
Q210,211			2SK2541	FET		
Q212			DTA114ES	TRANSISTOR		
Q213			2SC2001L	TRANSISTOR		
Q214			2SC945	TRANSISTOR		
Q215			2SK2541	FET		
Q216			2SC945	TRANSISTOR		
Q217			2SA934R	TRANSISTOR		
Q218			DTC114ES	TRANSISTOR		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

⓫

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
Q219			2SA934R	TRANSISTOR				
Q220			DTC114ES	TRANSISTOR				
Q221			2SA934R	TRANSISTOR				
Q222			DTC114ES	TRANSISTOR				
Q223,224			2SC945	TRANSISTOR				
Q401			2SC945	TRANSISTOR				
Q402A			2SC945	TRANSISTOR				
Q403-405			2SC945	TRANSISTOR				
Q407			DTA114ES	TRANSISTOR				
Q408,409			2SC2878A	TRANSISTOR				
Q501,502			2SC1841	TRANSISTOR				
Q503			2SA988	TRANSISTOR				
Q504			2SC945	TRANSISTOR				
Q505,506			2SC2878A	TRANSISTOR				
Q601,602			2SC945	TRANSISTOR				
Q603			2SA733	TRANSISTOR				
⚠ Q704			2SD882	TRANSISTOR				
⚠ Q705			2SC2001L	TRANSISTOR				
⚠ Q706			2SD882	TRANSISTOR				
Q707			2SC945	TRANSISTOR				
⚠ Q708			2SA965Y	TRANSISTOR				
Q710			DTC114ES	TRANSISTOR				
FRONT UNIT								
C801-804		✻	C91-1593-08	CERAMIC	0.047UF	Z		
C805			CE04KW1C470M	ELECTRO	47UF	16WV		
C806			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C807			CE04KW1C470M	ELECTRO	47UF	16WV		
C808		✻	C91-1593-08	CERAMIC	0.047UF	Z		
C809			C91-0745-05	CERAMIC	100PF	K		
C810			C91-1525-08	CERAMIC	0.1UF	Z		
C811-814			C91-0749-05	CERAMIC	220PF	K		
C815			C91-0745-05	CERAMIC	100PF	K		
C820			CE04CW1A330M	ELECTRO	33UF	10WV		
CN601		✻	E40-8454-08	PIN ASSY (10P)				
CN602		✻	E40-8456-08	PIN ASSY (11P)				
-		✻	J19-3697-08	DISPLAY HOLDER				
L802			L39-1375-08	MOTOR CHOKE 470UH				
S801-815		✻	S70-0076-08	TACT SW EVQ21507K				
S816-822		✻	S70-0076-08	TACT SW				
VR801			T99-0616-08	VR ENCODER				
VR802		✻	T99-0626-08	VR ENCODER				
D801			MTZJ5.6B	Z DIODE				
FLD801			BJ665GK	FLD DISPLAY				
IC801		✻	M66004SPA	IC				
LED801,802		✻	B30-2559-08	LED (RED)				
RM801		✻	W02-2710-08	REMOTE RECEIVER				
CD MECHANISM UNIT								
C01			CE04KW1A101M	ELECTRO	100UF	10WV		
C02			CQ92FM1H333J	MYLAR	0.033UF	J		
C03			C91-0769-05	CERAMIC	0.010UF	K		
C04			CQ92FM1H333J	MYLAR	0.033UF	J		
C05			C91-0769-05	CERAMIC	0.010UF	K		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

⓬

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C06			CE04KW1E220M	ELECTRO	22UF	25WV		
C07			C91-0725-05	CERAMIC	15PF	J		
C08			CK14F1E223Z	CERAMIC	0.022UF	Z		
C09			C91-0757-05	CERAMIC	1000PF	K		
C11			C91-0765-05	CERAMIC	4700PF	J		
C12			C91-0769-05	CERAMIC	0.010UF	K		
C13			C91-0767-05	CERAMIC	6800PF	M		
C14			CQ92FM1H473J	MYLAR	0.047UF	J		
C15			CK14F1E223Z	CERAMIC	0.022UF	Z		
C16			CQ92FM1H104J	MYLAR	0.10UF	J		
C17 ,18			CE04KW1A101M	ELECTRO	100UF	10WV		
C19			CQ92FM1H104J	MYLAR	0.10UF	J		
C20			C91-0761-05	CERAMIC	2200PF	M		
C20A			CQ92FM1H683J	MYLAR	0.068UF	J		
C21 -23			CQ92FM1H104J	MYLAR	0.10UF	J		
C24			CE04KW1E4R7M	ELECTRO	4.7UF	25WV		
C25			CQ92FM1H333J	MYLAR	0.033UF	J		
C26			CQ92FM1H183J	MYLAR	0.018UF	J		
C27			C91-0721-05	CERAMIC	10PF	J		
C28			CQ92FM1H683J	MYLAR	0.068UF	J		
C29			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C30			C91-0737-05	CERAMIC	47PF	J		
C31			C91-1525-08	CERAMIC	0.1UF	Z		
C32			CK14F1E223Z	CERAMIC	0.022UF	Z		
C33 ,34			CE04KW1A101M	ELECTRO	100UF	10WV		
C35			CK14F1E223Z	CERAMIC	0.022UF	Z		
C41 ,42			CK14F1E223Z	CERAMIC	0.022UF	Z		
C43			CE04DW1A222M	ELECTRO	2200UF	10WV		
C46			CE04HW1H4R7M	NP-ELEC	4.7UF	50WV		
C47			CK14F1E223Z	CERAMIC	0.022UF	Z		
C48			CE04KW1A470M	ELECTRO	47UF	10WV		
C49			C91-1525-08	CERAMIC	0.1UF	Z		
C51 ,52			CQ92FM1H103J	MYLAR	0.010UF	J		
C53			CE04KW1H100M	ELECTRO	10UF	50WV		
C56			CF92FV1H474J	MF-C	0.47UF	J		
C57			C91-0769-05	CERAMIC	0.010UF	K		
C59			C91-0753-05	CERAMIC	470PF	K		
C60			C91-0749-05	CERAMIC	220PF	K		
C61			CF92FV1H224J	MF-C	0.22UF	J		
C62			C91-0769-05	CERAMIC	0.010UF	K		
C63 -68			C91-0757-05	CERAMIC	1000PF	K		
C63A			CK14F1E223Z	CERAMIC	0.022UF	Z		
C63B			CK14F1E223Z	CERAMIC	0.022UF	Z		
C69			CK14F1E223Z	CERAMIC	0.022UF	Z		
C70			C91-1525-08	CERAMIC	0.1UF	Z		
C71			CK14F1E223Z	CERAMIC	0.022UF	Z		
C72			CE04KW1A101M	ELECTRO	100UF	10WV		
C73 ,74			CC45FSL1H300J	CERAMIC	30PF	J		
C75			CK14F1E223Z	CERAMIC	0.022UF	Z		
C76			CE04KW1A101M	ELECTRO	100UF	10WV		
C77			C91-0757-05	CERAMIC	1000PF	K		
C78			CK14F1E223Z	CERAMIC	0.022UF	Z		
C79			CE04KW1A101M	ELECTRO	100UF	10WV		
C81 ,82			C91-0747-05	CERAMIC	150PF	K		
C83 ,84			C91-0755-05	CERAMIC	680PF	K		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

⑬

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C85 ,86			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C87 ,88			C91-0757-05	CERAMIC	1000PF	K		
C89			CK14F1E223Z	CERAMIC	0.022UF	Z		
C90			CK14F1E223Z	CERAMIC	0.022UF	Z		
C91			CE04KW1A471M	ELECTRO	470UF	10WV		
C92			CK14F1E223Z	CERAMIC	0.022UF	Z		
C93 ,94			CE04KW1A221M	ELECTRO	220UF	10WV		
C95			CK14F1E223Z	CERAMIC	0.022UF	Z		
C96 ,97			CK14F1E223Z	CERAMIC	0.022UF	Z		
C98			CK14F1E223Z	CERAMIC	0.022UF	Z		
CN01		✻	E40-8463-08	FLAT CABLE CONNECTOR (16P)				
CN05		✻	E40-8457-08	FLAT CABLE CONNECTOR (24P)				
CN06			E40-8415-08	FLAT CABLE CONNECTOR (5P)				
L02 ,03			L39-1334-08	COIL 220				
L05		✻	L39-1383-08	MOTOR CHOKE COIL 101				
XTL01		✻	L77-2267-08	CRYSTAL RESONATOR 16.93MHZ				
S01		✻	S90-0133-08	LEAF SW				
S02		✻	S90-0133-08	LEAF SW				
S03			S64-0043-08	LEAF SW				
S04			S64-0043-08	LEAF SW				
S05			S74-0038-08	SW				
D03			MTZJ5.6B	ZENER DIODE				
IC01		✻	CXA1992BR	IC				
IC02		✻	CXD2589Q	IC				
IC03			BA5936S	IC(BTL DRIVER)				
IC05			NJM4558L	IC(OP AMP X2)				
Q01			2SA952L	TRANSISTOR				
⚠ Q02			2SC2001	TRANSISTOR				
Q03 ,04			2SC945	TRANSISTOR				
CD MECHANISM (D40-1515-05)								
103	2A		D10-3606-08	ROD				
104	1B		D13-1720-08	GEAR				
106	3B		S74-0038-08	LEAF SWITCH				
108	3B		E40-3264-05	PIN ASSY				
DM	1B		A11-1082-18	SUB CHASSIS ASSY				
FM	2B		T42-0817-08	MOTOR ASSY				
PU	1A		T25-0061-08	PICKUP(KSS-213C)				
CD-MECHANISM (D40-1652-08)								
1	2C		J99-0810-08	CHANGER BASE				
2	1C		G16-0953-08	TRAY SHEET(BLK)				
3	2C		N19-1489-08	E-RING (2.5Q)				
4	2C		N19-1485-08	CHANGE GEAR WASHER				
5	2C		G01-4125-08	CHANGE GEAR SPRING				
6	2C		D13-1925-08	CHANGE GEAR				
7	2C		N19-1486-08	POLY WASHER (Q1.4XQ4.1X0.3T)				
8	2C		J19-5990-08	CHANGE PLATE ASSEMBLY				
10	2C		D13-1926-08	RELAY GEAR B				
11	2C		N19-1487-08	CHANGE PLATE WASHER				
13	2C		D15-0415-08	GEAR PULLEY				
14	2C		D16-0727-08	LOADING BELT				
15	2C		D13-1927-08	RELAY GEAR A				
17	2C		D13-1928-08	TR LOCK GEAR				
18	1C		D13-1929-08	RELAY GEAR C				

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

⑭

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
19	1D,1E		G16-0954-08	CUSHION (12X8X4.2T)		
20	1C		D13-1930-08	TR GEAR		
21	1C		F07-1671-08	BLIND SHEET		
22	1C		J30-0493-08	SWITCH FIBER		
24	1C		J99-0812-08	TURNTABLE (TRAY)		
26	2C		G13-0596-08	SWITCH LEVER CUSHION		
27	1D		D10-3871-08	SENSOR SWITCH LEVER		
30	1D		G01-4126-08	SENSOR SWITCH LEVER SPRING		
32	1D		J90-0868-08	TURNTABLE FIXING PLATE		
38	1D		D14-0806-08	ROLLER		
42	2E		G01-4127-08	MECHA BASE SPRING (A)		
43	2E		A15-0100-08	MECHA BASE KSM		
45	1E		G01-4128-08	MECHA BASE SPRING		
46	1E		D39-0340-08	DUMPER (RED)		
47	1E		D40-1515-05	CD MECHANISM (KSM213CCM)		
49	1E		D39-0341-08	DUMPER (GREEN)		
50	1D		D15-0416-08	GEAR PULLEY (B)		
51	1D		D16-0728-08	LOADING GEAR BELT		
52	1D		N19-1488-08	POLY WASHER		
54	1D		D13-1931-08	SLIDE GEAR		
56	2D	✻	J11-0851-08	MAGNET HOLDER (CLAMPER)		
57	1D		G01-4129-08	CAM BRAKE SPRING		
58	1D		D10-3872-08	SWITCH LEVER		
60	1D		D13-1932-08	UD REDUCE GEAR		
61	1D		T99-0620-08	MAGNET		
62	1D		D12-0160-08	UD CAM		
64	2D	✻	H21-0376-08	FIBER PLATE		
66	1D	✻	J19-6025-08	MAGNET COVER		
67	2E	✻	N19-1497-08	HEMILON WASHER (65X27.5X0.3)		
AG			N09-3345-08	SCREW TAPTITE CUP2618 (2.6X16)		
AK			N09-5102-08	RELAY GEAR (B) SCREW		
AL			N09-5101-08	SCREW TAPTITE CUP2010 (2X10)		
S01 ,S02	1D		S64-0028-05	LEVER SWITCH		
S03 ,S04	1C		S64-0043-08	SWITCH MSS-813		
LM	2D		T42-0944-08	MOTOR PULLEY ASSY		
RTM	2D		T42-0945-08	MOTOR PULLEY ASSY		
CASSETTE MECHANISM						
441	2H		D16-0735-08	BELT (B)MECHA SMALL		
442	2G		D16-0736-08	BELT (A)MECHA SMALL		
443	2G		D16-0737-08	BELT (B)MECHA LARGE		
444	2G		D16-0738-08	BELT (A)MECHA LARGE		
SPEAKER (LS-N302/N352)						
-			T03-0505-08	TWEETER UNIT		
-			T10-1004-08	W00FER UNIT		
-		✻	T19-0208-08	SPEAKER BOX AASY LS-N352	MXYM2	
-		✻	T19-0208-08	SPEAKER BOX AASY LS-N352	TEE2	
-		✻	T19-0210-08	SPEAKER BOX AASY LS-N302	E3E4	

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany **V :** China (Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components.

PARTS LIST

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	*ABB.*	*Australia*	*Canada*	*China*	*England*	*Europe*	*Germany*	*Korea*	*Malaysia*
RXD-302	-	-	-	-	-	E3	-	-	-
RXD-302E	-	-	-	-	-	E4	-	-	-
RXD-352	-	X	-	-	T	E	-	-	-
RXD-352E	-	-	-	-	-	E2	-	-	-
RXD-372S	-	-	-	-	-	-	-	-	-

MODEL	*ABB.*	*Mexico*	*PX/AAFES*	*Russia*	*Scandinavia*	*Shanghai*	*USA*	*Other area*	
RXD-302	-	-	-	-	-	-	-	-	-
RXD-302E	-	-	-	-	-	-	-	-	-
RXD-352	-	-	Y	-	-	-	-	M	-
RXD-352E	-	-	-	-	-	-	-	-	-
RXD-371S	-	-	-	-	-	-	-	M2	-

RXD-302/302E/352/352E/372S

SPECIFICATIONS

Main unit

[Amplifier section]

(XD-A31/XD-302)

Rated power output (U.S.A. and Canada)

30 watts per channel minimum RMS, both channels driven, at 6 Ω from 40 Hz to 14 kHz with no more than 0.9 % total harmonic distortion.

Effective output power during STEREO operation
U.S.A. and Canada
1 kHz, 10 % T.H.D., 6 Ω ..... 43 W + 43 W

(XD-352/XD-372S)
Effective output power during STEREO operation
1 kHz, 10 % T.H.D., 6 Ω ..... 43 W + 43 W

Rated output power during STEREO operation
Europe, U.K. and Russia
(DIN) 1 kHz, 0.7 % T.H.D., 6 Ω ..... 43 W + 43 W
Other countries
1 kHz, 1.0 % T.H.D., 6 Ω ..... 43 W + 43 W
Input sensitivity / inpedance
AUX ..... 300 mV / 40 kΩ
Output level / impedance
(XD-A31/XD-302)
SUPER WOOFER PREOUT ..... 1.8 V / 0.6 kΩ

[Tuner section]

FM tuner section
Tuning frequency range ..... 87.5 MHz ~ 108 MHz
(For Russia) ..... 87.5 MHz ~ 108 MHz / 65.0 MHz ~ 74.0 MHz

AM (MW) Tuner section
Tuning frequency range
Europe, U.K. and Russia ..... 531 kHz ~ 1,602 kHz
U.S.A. and Canada ..... 530 kHz ~ 1,700 kHz
Other countries
9 kHz step ..... 531 kHz ~ 1,602 kHz
10 kHz step ..... 530 kHz ~ 1,610 kHz

LW Tuner section (For U. K.)
Tuning frequency range ..... 153 kHz ~ 279 kHz

SW Tuner section (XD-372S)
Tuning frequency range ..... 5.95 MHz ~ 17.9 MHz

[Cassette deck section]
Track ..... 4-track, 2-channel stereo
Recording system ..... AC bias system (Frequency: 105 kHz)
Heads
B deck Playback / recording head 1
Erasing head 1
A deck Playback head 1
Motor 1

[CD player section]
Laser ..... Semiconductor laser
Wow & Flutter ..... Less than unmeasurable Limit

[General]
Power consumption ..... 150 W
Dimensions ..... W: 280 mm (11")
H: 330 mm (13")
D: 405 mm (15-15/16")
Weight (net) ..... (XD-A31/XD-302) 6.9kg (15.2 lb)
(XD-352) 7.2kg (15.9 lb)
(XD-372S) 9.1kg (20.1 lb)

Speakers (LS-N302/LS-N352)

Enclosure ..... Bass-reflex type
Speaker configuration
Woofer ..... 130 mm, cone type
Tweeter ..... 50 mm, cone type
Impedance ..... 6 Ω
Maximum input level ..... 43 W
Dimensions ..... W: 220 mm (8-11/16")
H: 330 mm (13")
D: 295 mm (11-5/8")
Weight (net) ..... 3.2 kg (7.1 lb) (1 piece)

Notes
1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

Note:
Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION
14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

KENWOOD SERVICE CORPORATION
P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.
P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

KENWOOD ELECTRONICS BRASIL LTDA.
Av Indianópolis, 628, 04062-001 Planalto Paullsta São Paulo-SP-Brasil

KENWOOD ELECTRONICS U.K. LIMITED
KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BELGUM N.V.
Meachelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.
Via G. Sirtori, 7/9 20129, Milano, Italy

KENWOOD IBÉRICA S.A.
Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.
(A.C.N. 001499 074)
P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.
Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

KENWOOD ELECTRONICS GULF FZE
P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS SINGAPORE PTE LTD.
No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.
#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia

KENWOOD ELECTRONICS (THAILAND) CO., LTD.
573/111 Soi Ramkhamhaeng 39, Ramkhamhaeng Road, Wangthonglang, Bangkapi, Bankok 10301 Thailand